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HORN

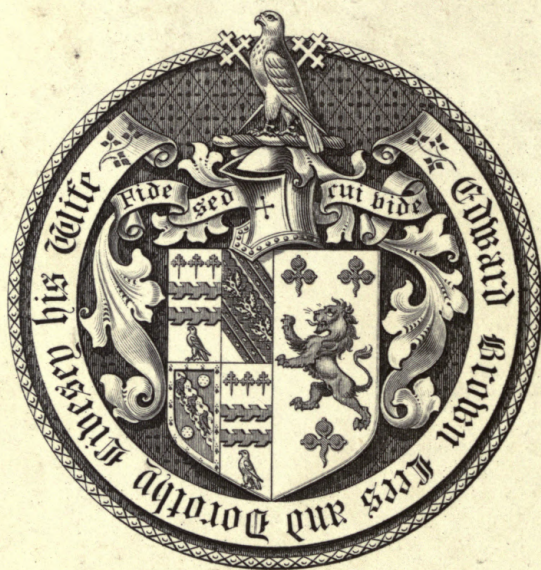
MEASUREMENTS



*Portlandland F. Z. S.*

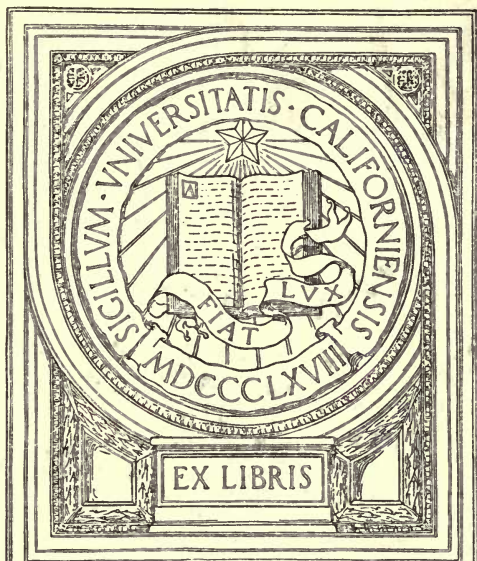
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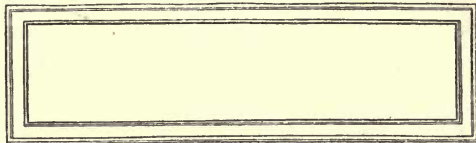
CHARLAND CASTLE.





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HORN MEASUREMENTS  
AND WEIGHTS  
OF THE  
GREAT GAME OF THE WORLD.







HORN MEASUREMENTS  
AND WEIGHTS  
OF THE  
GREAT GAME OF THE WORLD:

BEING  
A RECORD FOR THE USE OF SPORTSMEN AND NATURALISTS.

BY  
ROWLAND WARD, F.Z.S.,  
*Author of "The Sportsman's Handbook," &c.*



OVIBOS MOSCHATUS.

London:  
AT "THE JUNGLE," 166, PICCADILLY.  
AND OF ALL BOOKSELLERS.

1892.



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U.S. NATIONAL ACADEMY OF SCIENCES  
BIOGRAPHICAL MEMOIRS  
VOLUME 10  
JAMES H. HAY  
BY  
JAMES H. HAY  
1954

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THIS BOOK IS DEDICATED  
TO THE  
SPORTSMEN OF THE WORLD,  
WITHOUT WHOSE DETERMINED PLUCK AND LOVE OF TRAVEL IT COULD  
NOT HAVE BEEN PRODUCED, NOR COULD I HAVE SPENT  
A LIFE-TIME IN THE ART WHICH I HAVE  
TRIED TO ADVANCE.  
ROWLAND WARD.





## PREFACE.

---

MY object in producing this book is to start a record of Horn Measurements of the Great Game of the World. I only regret that I did not commence it at an earlier date, as it would then have been more complete. But in my earlier life I had but little help, and often worked thirty hours at a stretch; my work necessitated attention to specimens that demanded immediate treatment, and my love for reproducing life-like studies prevented me from keeping records.

The measurements presented here have been taken recently by one hand and, for that reason, I value them the more. The dimensions from acknowledged authorities I am not responsible for. This book is not designed to be in any way a scientific work, but it is prepared for gentlemen sportsmen and scientific men who are interested to see comparable measurements at a glance. I think these have not been produced in like form before. Of course, the record can be added to, and I shall feel indebted to sportsmen who will contribute measurements, for I am not



producing this work in a completed form—it must grow. It is to be borne in mind that many trophies which have passed through my hands are now scattered all over the world, and the dimensions of them, for the time, are not recorded here. Some that I give now are fine measurements, some are only ordinary statistics, many are of new species altogether; these last being mainly a result of the quite recent opening up of Africa. The advice noted as to the way to measure must be dealt with strictly, for many persons measuring by different methods produce untrustworthy record. We have tried to be fair in producing the statistics, taking them rather under than over the mark; and the tape has not been pressed into corrugations, but carried outside, over all inequalities.

Many gentlemen's trophies I should like to have measured, but those specimens have either changed hands or are now in some remote part of the world, and the book cannot be delayed longer; but distance has not prevented me from obtaining many important statistics.

R. W.

## ABBREVIATIONS AND SIGNS.

♂ Male.      ♀ Female.      ...    ...    ... Unrecorded.

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LENGTH is expressed in inches, where not otherwise noted.

MEASUREMENTS are on the outside of horn from tip to base. Circumference is at the base; with Deer above first tine.

MEMO.—Horns that possess a core have a tendency to shrink.

WEIGHTS taken on the field should be accepted as approximate.

P.Z.S., Proceedings of the Zoological Society.



# ERRATA.

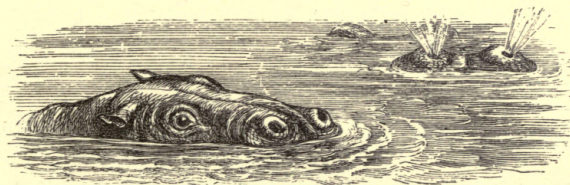
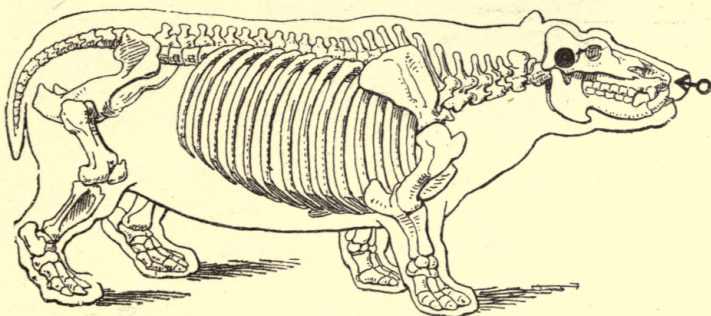
Page	12	for	"pyaargus"	read	"pygargus."
"	58	"	"Naivashoe"	"	"Naivasha."
"	80	"	"saltianis"	"	"saltianus."
"	126	"	"hars"	"	"ears."
"	126	"	"sæmmerringii"	"	"sæmmerringii."
"	150	"	"asomaculatus"	"	"nasomaculatus."

# HORN MEASUREMENTS

## AND WEIGHTS

### OF THE

# GREAT GAME OF THE WORLD.



**HIPPOPOTAMUS TUSKS** (*Hippopotamus amphibius*).  
*Habitat*—Africa.

Length round outside curve.	Circum- ference.	Across inside.	Habitat.	Owner.
31 $\frac{5}{8}$	9 $\frac{1}{8}$	...	... ..	Sir Edmund G. Loder, Bart.
30 $\frac{1}{2}$	9 $\frac{1}{8}$ } *	...	St. Lucia Bay ...	Hon. Charles Ellis, 1870.
30	9	...	Do. ...	Do.
29	9 $\frac{1}{2}$	14	... ..	Rowland Ward's Collection.
27 $\frac{1}{8}$	8	...	South Africa ...	The late J. S. Jameson.
27 $\frac{1}{8}$	...	...	... ..	W. D. James.
27	8	...	East Africa ...	E. Gedge.
26 $\frac{1}{2}$	7 $\frac{1}{2}$	12 $\frac{1}{2}$	... ..	G. Portal.
25 $\frac{1}{8}$	7 $\frac{1}{2}$	...	South Africa ...	The Late J. S. Jameson.
25	7 $\frac{1}{2}$	12 $\frac{1}{2}$	... ..	G. Portal.
24 $\frac{1}{4}$	7	12 $\frac{1}{4}$	... ..	Do.
23 $\frac{1}{4}$	7	12 $\frac{1}{2}$	... ..	Do.
19 $\frac{7}{8}$	...	...	East Africa ...	Sir John Kirk, M. D., K. C. B.

\* Weight, 15 lbs. the pair.





Wild boar (*Sus scrofa*)

### WILD BOAR TUSKS.

*Habitat*—Europe, Asia Minor, and North Africa.

Length outside curve.	Circumference.	Habitat.	Owner.
10	...	India ...	Sir Samuel Baker, F.R.S., "Wild Beasts and their Ways."
9 $\frac{1}{4}$	...	Central Provinces.	J. Moray Brown.
8 $\frac{1}{2}$	2 $\frac{1}{2}$	India ...	Rowland Ward's Collection.
8 $\frac{1}{8}$	2 $\frac{1}{2}$	Do. ...	Do.
8 $\frac{1}{8}$	2 $\frac{1}{4}$	Do. ...	F. C. Quicke.
8	2 $\frac{1}{4}$	Do. ...	P. A. Bainbridge.
8	2 $\frac{1}{4}$	Do. ...	F. C. Quicke.
7 $\frac{1}{2}$	2 $\frac{1}{4}$	Do. ...	P. A. Bainbridge.
7 $\frac{1}{8}$	2 $\frac{3}{8}$	Do. ...	F. C. Quicke.



*Habitat*—British India, Burmah, Malay Peninsula, Java, Sumatra, Borneo, &c.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
*6½	2¾	3½	... ..	B. H. Hodgson, British Museum.
6½	3	3¾	... ..	A. O. Hume, Private Collection.
*5¾	2¾	3½	... ..	B. H. Hodgson, British Museum.
5¾	2¼	3¾	... ..	Hume Collection, British Museum.
5¼	2	3½	S. India ...	Sir Victor Brooke's Collection. (Shot by Col. Douglas Hamilton.)
5	1¾	2	Do. ...	Do.
4¾	2¼	3¾	Do. ...	Do.
4¾	1½	1¾	... ..	Hume Collection, British Museum.
3¾	2¾	3¾	... ..	Do.
*3¼	1¾	2¾	... ..	B. H. Hodgson, British Museum.
†2½	1¾	3	Ningpo ...	R. Swinhoe, British Museum.
‡1½	...	4½	Do. ...	A. Mitchie, British Museum.

\* *Muntiacus vaginalis*.

† *Cervulus sclateri*.

‡ *Cervulus crinifrons*.





**SAMBUR** (*Cervus aristotelis*).

*Weight*—600 lbs. (about);  $13\frac{1}{2}$  hands at shoulder.—Sir Samuel Baker,  
“Wild Beasts and their Ways.”

*Habitat*—India, Burmah, and China.

Length round outside.	Circumfe- rence above brow line.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
46 $\frac{1}{2}$	6 $\frac{3}{8}$	24 $\frac{1}{8}$	30 $\frac{7}{8}$	3 × 3	... ..	A. O. Hume, Private Collection.
45 $\frac{1}{8}$	6 $\frac{5}{8}$	17 $\frac{3}{4}$	32 $\frac{1}{8}$	3 × 3	India ... ..	Dr. Falconer, British Museum.
45	7 $\frac{3}{8}$	22 $\frac{1}{2}$	33 $\frac{3}{4}$	3 × 3	Mayoghur, Cent. Provinces.	Sir John Morris, K.C.S.I.
45	7 $\frac{1}{4}$	44 $\frac{7}{8}$	...	3 × 3	... ..	Major-Gen. Arthur Ellis, C.S.I.
44 $\frac{1}{8}$	7 $\frac{7}{8}$	44 $\frac{3}{8}$	45 $\frac{7}{8}$	3 × 3	Rangeer, Cent. Provinces.	Col. W. J. Morris.
44	Owners' measurements			...	... ..	J. D. Invararity.
43 $\frac{5}{8}$	5 $\frac{5}{8}$	(single horn)	...	3	... ..	Hume Collection, British Museum.
43 $\frac{1}{2}$	6 $\frac{1}{8}$	(single horn)	...	3	... ..	Do.
43 $\frac{3}{8}$	6 $\frac{1}{4}$	20 $\frac{3}{8}$	29 $\frac{1}{8}$	3 × 3	... ..	Sir Robert Harvey, Bart.
42 $\frac{1}{2}$	6 $\frac{1}{4}$	15	27 $\frac{3}{4}$	4 × 4	Ghâuts of Sim- rol.	Col. J. Evans, British Museum.
41 $\frac{7}{8}$	6 $\frac{1}{4}$	33 $\frac{1}{8}$	35 $\frac{1}{4}$	3 × 3	... ..	Major-Gen. Arthur Ellis, C.S.I.
41 $\frac{3}{4}$	7	28 $\frac{1}{4}$	34 $\frac{3}{4}$	3 × 3	... ..	Hon. Walter Rothschild.
41 $\frac{5}{8}$	7 $\frac{1}{8}$	31 $\frac{3}{4}$	36 $\frac{3}{4}$	4 × 3	Nepal ... ..	B. H. Hodgson, British Museum.
41 $\frac{3}{8}$	7 $\frac{1}{8}$	(single horn)	...	5	... ..	British Museum.

SAMBUR (*Cervus aristotelis*)—continued.

Length round outside.	Circumference above brow line.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
41 {	8½ above burr 10½ round ,, }	palmated		3 × 3	North Gujerat	{ S. C. Lex. ( <i>The Field</i> , Oct. 23, 1869.)
40½	5½	33	37½	3 × 3	... ..	Hume Collection, British Museum.
40¼	6¼	28½	32	3 × 3	Neilgherries ...	Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.)
40	7	11½	24½	3 × 3	... ..	Rowland Ward's Collection.
40	5½	32½	36	3 × 3	Ghâts of Simrol.	Col. J. Evans, British Museum.
39½	6½	(single horn)	...	3	... ..	British Museum.
39¼	7½	20½	26¾	3 × 4	... ..	Hume Collection, British Museum.
39¼	6	16½	20½	2 × 2	... ..	H. R. H. Duke of Edinburgh.
39	7½	24	...	4 × 4	... ..	Capt. Henry Streatfield.
38½	6½	(single horn)	...	...	... ..	British Museum.
38¾	6¾	24	29½	3 × 3	... ..	Major-Gen. Arthur Ellis, C.S.I.
38½	6	22½	30¼	3 × 3	... ..	F. J. Horniman.
38½	6¾	23½	28½	3 × 3	... ..	Sir Robert Harvey, Bart.
38½	5¼	55	...	3 × 3	... ..	Major-Gen. Arthur Ellis, C.S.I.
38½	6½	30½	35	3 × 3	Neilgherries...	Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.)
38	6½	29¾	41¾	3 × 3	Moharli Forest, Chanda District, Cent. Provinces.	Sir John Morris, K.C.S.I.
37½	6	23	31½	3 × 4	... ..	Sir Robert Harvey, Bart.
37¾	5½	14	21¼	3 × 3	Nepal ... ..	B. H. Hodgson, British Museum.
37½	6¾	21¾	25¾	4 × 3	Cent. Provinces	Major C. S. Cumberland.
37½	5¾	20¾	28½	3 × 3	... ..	H. R. H. Duke of Edinburgh.
37¾	6¾	28½	31	3 × 3	Neilgherries...	Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.)
37¼	5¾	19½	30¾	3 × 3	... ..	Major Cumberland.
37	7½ × 5¾	16	...	3 × 3	... ..	Surg.-Major Briggs.
37	6½	27½	28¾	3 × 3	... ..	H. C. V. Hunter.
36¼	5½	19½	24½	3 × 3	Cent. Provinces	Major C. S. Cumberland.
35½	6¼	19¾	24½	3 × 3	... ..	H. R. H. Duke of Edinburgh.



SAMBUR (*Cervus aristotelis*)—*continued*.

Length round outside.	Circumference above brow line.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
35 $\frac{3}{8}$	5	22 $\frac{1}{4}$	28 $\frac{1}{2}$	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
35 $\frac{1}{2}$	6	11 $\frac{3}{4}$	...	3 × 3	... ..	Capt. Goulburn, R.A.
35 $\frac{3}{8}$	5 $\frac{7}{8}$	21 $\frac{3}{4}$	25 $\frac{7}{8}$	3 × 3	... ..	J. Carr Saunders.
35 $\frac{3}{8}$	5 $\frac{1}{2}$	23 $\frac{1}{8}$	28 $\frac{1}{2}$	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
35 $\frac{1}{4}$	7 $\frac{3}{8}$	20	26	3 × 3	Bhotan ...	Sir Victor Brooke's Collection, 1869.
35 $\frac{1}{4}$	5 $\frac{1}{2}$	30 $\frac{3}{4}$	32 $\frac{1}{4}$	4 × 3	Nepal... ..	B. H. Hodgson, British Museum.
35 $\frac{1}{8}$	6 $\frac{1}{8}$	23 $\frac{1}{2}$	25 $\frac{3}{8}$	3 × 3	India ... ..	British Museum.
35	5 $\frac{5}{8}$	22 $\frac{1}{2}$	26 $\frac{7}{8}$	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
35	5 $\frac{3}{8}$	17 $\frac{1}{8}$	25 $\frac{1}{2}$	3 × 3	... ..	Sir Robert Harvey, Bart.
34 $\frac{3}{8}$	5 $\frac{3}{8}$	33	33 $\frac{1}{2}$	2 × 2	... ..	British Museum.
34 $\frac{1}{4}$	6 $\frac{1}{2}$	20 $\frac{3}{4}$	24 $\frac{3}{8}$	3 × 3	Neilgherries ...	Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.)
34	4 $\frac{7}{8}$	30	32 $\frac{1}{4}$	3 × 3	... ..	J. Carr Saunders.
34	4 $\frac{7}{8}$	(single horn)	...	3	Nepal... ..	B. H. Hodgson, British Museum.
33 $\frac{7}{8}$	5 $\frac{1}{4}$	27 $\frac{1}{8}$	30 $\frac{1}{8}$	3 × 3	... ..	H. C. V. Hunter.
33 $\frac{3}{4}$	5 $\frac{1}{8}$	15 $\frac{3}{4}$	...	3 × 3	Java ... ..	Capt. Townley Parker.
33 $\frac{1}{2}$	5 $\frac{3}{4}$	16	18 $\frac{5}{8}$	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
33 $\frac{1}{2}$	5 $\frac{5}{8}$	25 $\frac{1}{2}$	...	3 × 6	... ..	H. R. H. Duke of Edinburgh.
33	5 $\frac{3}{4}$	25	...	3 × 3	... ..	Rowland Ward's Collection.
32 $\frac{7}{8}$	5 $\frac{1}{8}$	20 $\frac{1}{2}$	24 $\frac{5}{8}$	3 × 3	... ..	British Museum.
32 $\frac{1}{2}$	7 $\frac{1}{4}$	35 $\frac{1}{2}$	...	7 × 6	... ..	Hume Collection, British Museum.
32 $\frac{1}{2}$	4 $\frac{3}{4}$	25 $\frac{7}{8}$	...	3 × 3	... ..	H. R. H. Duke of Edinburgh.
32 $\frac{3}{8}$	6 $\frac{1}{8}$	30	31 $\frac{5}{8}$	3 × 3	Cent. Provinces	Major C. S. Cumberland.
32 $\frac{1}{4}$	5 $\frac{1}{4}$	20 $\frac{1}{4}$	18 $\frac{3}{8}$	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
32 $\frac{1}{4}$	5 $\frac{1}{8}$	25 $\frac{1}{8}$	29 $\frac{1}{8}$	2 × 2	India ... ..	Do.
32	5 $\frac{1}{2}$	25	25 $\frac{3}{4}$	3 × 3	... ..	British Museum.
32	5 $\frac{1}{8}$	20 $\frac{3}{4}$	...	3 × 3	... ..	H. R. H. Duke of Edinburgh.
32	5 $\frac{1}{8}$	20 $\frac{3}{8}$	25	3 × 4	Neilgherries ...	St. George Littledale, 1875.

SAMBUR (*Cervus aristotelis*)—continued.

Length round outside.	Circumference above brow line.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
31 $\frac{5}{8}$	5 $\frac{3}{8}$	21 $\frac{3}{4}$	25	3 × 3	Nepal... ..	B. H. Hodgson, British Museum.
31 $\frac{1}{2}$	5 $\frac{3}{8}$	17 $\frac{1}{4}$	24	3 × 3	... ..	Martyn Kennard.
31 $\frac{1}{2}$	5 $\frac{3}{8}$	(one horn broken)		1 × 3	Nepal... ..	B. H. Hodgson, British Museum.
31 $\frac{1}{2}$	5 $\frac{1}{4}$	20 $\frac{3}{8}$	27 $\frac{1}{4}$	3 × 3	Deccan ...	Col. J. Sykes, British Museum.
31 $\frac{3}{8}$	6 $\frac{5}{8}$	31 $\frac{3}{4}$	32 $\frac{1}{2}$	3 × 3	Do. ...	Do.
31 $\frac{3}{8}$	6 $\frac{1}{2}$	15 $\frac{1}{2}$	19	3 × 4	Nepal... ..	B. H. Hodgson, British Museum.
31 $\frac{1}{4}$	4 $\frac{1}{2}$	22 $\frac{3}{4}$	...	3 × 3	India ...	H. R. H. Duke of Edinburgh.
31	5 $\frac{3}{4}$	(single horn)	...	3	Do. ...	H. R. H. le Duc d'Orleans.
31	5 $\frac{1}{2}$	10	17 $\frac{1}{4}$	4 × 3	Nepal... ..	B. H. Hodgson, British Museum.
30 $\frac{3}{4}$	5	11 $\frac{3}{8}$	19 $\frac{5}{8}$	3 × 3	Do. ...	Do.
30 $\frac{1}{8}$	4 $\frac{5}{8}$	21 $\frac{1}{8}$	25 $\frac{3}{8}$	3 × 3	... ..	H. C. V. Hunter.
29 $\frac{7}{8}$	5 $\frac{3}{4}$	15 $\frac{1}{8}$	20 $\frac{1}{2}$	3 × 3	... ..	Do.
29 $\frac{7}{8}$	4 $\frac{5}{8}$	21 $\frac{1}{8}$	22 $\frac{1}{2}$	3 × 3	India ...	British Museum.
28 $\frac{1}{8}$	5 $\frac{7}{8}$	23	26 $\frac{1}{2}$	3 × 3	... ..	H. R. H. Duke of Edinburgh.
28	5	18 $\frac{3}{4}$	22 $\frac{7}{8}$	3 × 3	India ...	British Museum.
27 $\frac{3}{4}$	5	26 $\frac{1}{8}$	27 $\frac{1}{8}$	3 × 3	Neilgherries ...	St. George Littledale, 1875.
26 $\frac{7}{8}$	5 $\frac{5}{8}$	12 $\frac{1}{8}$	16	3 × 3	... ..	A. O. Hume, Private Collection.
26 $\frac{7}{8}$	5 $\frac{1}{4}$	23 $\frac{1}{2}$	23 $\frac{3}{4}$	3 × 2	Neilgherries ...	St. George Littledale, 1875.
23 $\frac{3}{4}$	4 $\frac{3}{8}$	17 $\frac{3}{8}$	18 $\frac{1}{8}$	4 × 3	... ..	H. R. H. Duke of Edinburgh.
22	...	(single horn)	...	7	Nagpore ...	Sir Victor Brooke's Collection. (Shot by Lord David Kennedy.)
21	5	11 $\frac{1}{8}$	...	3 × 3	... ..	R. Lydekker, British Museum.
18 $\frac{1}{4}$	4 $\frac{1}{2}$	7 $\frac{5}{8}$	8 $\frac{3}{8}$	3 × 3	India ...	B. H. Hodgson, British Museum.
16 $\frac{1}{2}$	2 $\frac{3}{4}$	11 $\frac{1}{8}$	12	1 × 1	Nepal... ..	Do.



**CENTRAL AND SOUTHERN INDIAN SAMBUR****(*Rusa hippelaphus*).***Habitat*—Central and Southern India.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
36 $\frac{3}{8}$	5 $\frac{7}{8}$	27 $\frac{3}{4}$	...	2 × 3	Nepal ... ..	B. H. Hodgson, British Museum.
31 $\frac{1}{4}$	5 $\frac{3}{8}$	18	18 $\frac{3}{4}$	4 × 3	Do. ... ..	Do.
29 $\frac{3}{4}$	4 $\frac{1}{8}$	20 $\frac{1}{2}$	...	3 × 3	India ... ..	British Museum.
28 $\frac{1}{4}$	5	18 $\frac{7}{8}$	...	3 × 4	Nepal ... ..	B. H. Hodgson, British Museum.

**EQUINE DEER (*Cervus equinus*).***Habitat*—Borneo, Sumatra, and Singapore.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
30 $\frac{7}{8}$	6 $\frac{1}{2}$	17 $\frac{1}{4}$	19 $\frac{5}{8}$	7 × 7	... ..	Sir Edmund G. Loder, Bart.
30 $\frac{1}{8}$	4 $\frac{3}{8}$	20 $\frac{3}{4}$	21 $\frac{1}{4}$	6(3 × 3)	... ..	British Museum.
29 $\frac{3}{8}$	6	16 $\frac{5}{8}$	20 $\frac{3}{4}$	3 × 3	... ..	Hume Collection, British Museum.
27 $\frac{5}{8}$	5 $\frac{1}{4}$	19 $\frac{1}{2}$	18	3 × 3	... ..	Do.
25 $\frac{1}{2}$	4 $\frac{7}{8}$	14 $\frac{3}{4}$	18 $\frac{7}{8}$	4 × 3	... ..	Do.
23 $\frac{1}{8}$	7	15 $\frac{3}{8}$	...	3 × 3	Borneo ... ..	H. B. Low, British Museum.
20 $\frac{3}{4}$	4 $\frac{7}{8}$	18 $\frac{3}{4}$	...	3 × 3	Do. ... ..	Do.
20 $\frac{1}{2}$	5 $\frac{7}{8}$	15 $\frac{1}{2}$	...	3 × 3	Do. ... ..	Do.
20 $\frac{3}{8}$	4 $\frac{7}{8}$	13	...	3 × 3	Do. ... ..	Do.
19 $\frac{5}{8}$	4 $\frac{1}{4}$	16 $\frac{7}{8}$	16 $\frac{7}{8}$	4 × 3	... ..	Hume Collection, British Museum.
18 $\frac{3}{8}$	4 $\frac{1}{2}$	15	...	3 × 3	Borneo ... ..	H. B. Low, British Museum.
17 $\frac{3}{4}$	5 $\frac{1}{8}$	16 $\frac{3}{4}$	...	4 × 5	Do. ... ..	Do.
17 $\frac{1}{2}$	4 $\frac{5}{8}$	13 $\frac{3}{4}$	...	3 × 3	Do. ... ..	Do.
16 $\frac{1}{4}$	4 $\frac{1}{4}$	5 $\frac{5}{8}$	...	2 × 3	Do. ... ..	W. B. Pryer, British Museum.
15 $\frac{1}{4}$	4 $\frac{1}{8}$	13 $\frac{1}{8}$	...	3 × 3	Do. ... ..	H. B. Low, British Museum.
11 $\frac{3}{4}$	3 $\frac{1}{8}$	9 $\frac{1}{4}$	...	3 × 2	Do. ... ..	Do.

**SWINHOE'S DEER** (*Cervus swinhoii*).

[Mr. SWINHOE on "Chinese Mammals," P.Z.S. 1870, p. 646.]

["*Cervus* (Rusa) Swinhoii," SCLATER, P.Z.S. 1862, p. 152; SWINHOE, P.Z.S. 1862, p. 364.]

IN the central ranges of Formosa, near Mount Morrison, this brown deer is very common; and on a visit I paid to the wild tribes of these parts in February 1866, I found them hunting the deer with dogs.

A place is cleared in the forest, where a party of men hide armed with matchlocks; the dogs yelp after the deer and drive them into the open, where the hidden sportsmen get easy shots at them. The son of the chief with whom I was staying had just returned from a successful battue with the robust antlers and flesh of a large buck. I induced him to return for the head, which he had thrown away on the field. I was thus enabled to secure a fine skull for the British Museum.

The young of this species, about half-grown, is reddish brown, with the tail bushy and black, but reddish at its root; sides of the body paler, and the belly blackish brown; legs pale towards the hoofs, the latter black; under surface of tail, abdomen, and inner sides of hind legs down to middle of shank yellowish white, the breast and belly being blackish brown; under surface of head and neck mottled whitey brown; crown of the head, with many of the hairs, tipped with black; from the occiput a dark line runs down to the base of the tail; ears blackish brown, tipped and margined with ochreous white, and whitish on their insides.

The adult, in summer, has its coarse hair deep brown, faintly mottled, rufous on the rump; between the fore legs and the thighs ochreous white; tail bushy and dark. In winter it becomes a deeper brown.



The Society's Gardens have had two or three examples of this animal alive; and Dr. Sclater is doing it justice in his paper for the "Transactions." Fig. 5 represents the antlers of a mature individual which I procured in South Formosa.

I have not heard of any species of *Rusa* occurring on the main of China; but in Hainan the *C. hippelaphus* appears to abound. From North China we have the *Cervus xanthopygus* (A. M. Edwards), the *Elaphurus davidianus* (A. M. Edwards), and the *Capreolus pygargus* (Pall).

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
19 $\frac{3}{4}$	...	9	12 $\frac{7}{8}$	3 × 3	Island of Formosa	Zoological Society, British Museum.
16 $\frac{1}{8}$	3 $\frac{5}{8}$	16	...	3 × 3	Do.	British Museum.
13 $\frac{5}{8}$	4 $\frac{3}{4}$	13 $\frac{1}{8}$	...	4 × 4	Do.	Zoological Society, British Museum.
5 $\frac{7}{8}$	2 $\frac{1}{8}$	6 $\frac{1}{4}$	...	2 × 3	Do.	British Museum.

### THE PHILIPPINE DEER (*Cervus philippinus*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1877, p. 51.]

ADULT MALE.—Hair of moderate length and rather harsh. General colour, rich ruddy brown, darkest on the back and lightest on the neck. Forehead and cheeks rufous fawn-colour; dark (almost black) streaks commence over each eye, and, blending together, form a band running down the centre of the face, which is separated from the dark moustache-like mark bordering the muzzle by a narrow track of pale fawn-colour. Breast and belly uniform brown. Tarsal gland plainly marked by a rufous spot. Ears of moderate size, covered externally by short close-set hair. Horns remarkably rough and massive; a powerful, long brow-antler, and one short tine directed inwards. Height at shoulder, about 27 inches.

The skull of this species is an exact miniature of that of *Cervus aristotelis*.

FEMALE.—In external colouration differs in no way from the male.

YOUNG.—Of a uniform brown, without spots.

HABITAT.—Island of Luzon, Philippines.

The Philippine deer is a very stout-built, short-limbed, powerful animal, in carriage and general appearance closely resembling the common Sambar (*Cervus aristotelis*).

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
13 $\frac{1}{8}$	4 $\frac{1}{2}$	11 $\frac{5}{8}$	11 $\frac{3}{4}$	3 × 3	Basilan ... ..	Everett, British Museum.
13 $\frac{1}{2}$	4 $\frac{3}{8}$	12 $\frac{1}{8}$	12 $\frac{1}{2}$	3 × 3	Philippine Islands ...	Do.

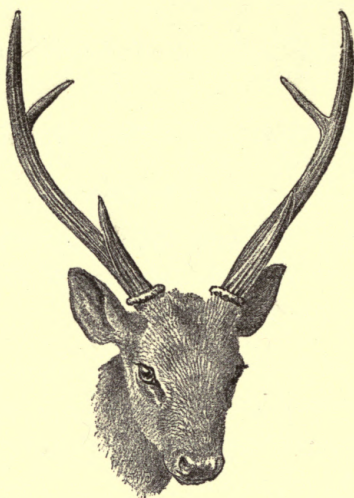
### MARIANE DEER (*Cervus marianus*).

THE late Sir Victor Brooke believed that *Cervus philippinus* and *C. marianus* were identical.

*Habitat*—Philippine Islands.

Length.	Circumference.	Tip to Tip.	Points.	Habitat.	Owner.
19 $\frac{5}{8}$	5 $\frac{1}{4}$	7 $\frac{1}{2}$	4 × 4	Philippine Islands...	Capt. Belcher, British Museum.
18 $\frac{7}{8}$	5 $\frac{1}{4}$	9 $\frac{3}{4}$	3 × 5	Do. ...	Do.
18 $\frac{3}{8}$	5 $\frac{1}{8}$	14 $\frac{3}{4}$	4 × 3	Do. ...	Do.
18	4 $\frac{5}{8}$	13 $\frac{7}{8}$	4 × 4	Do. ...	Do.
15 $\frac{1}{8}$	5 $\frac{1}{2}$	11 $\frac{1}{4}$	3 × 3	Do. ...	Do.
14 $\frac{5}{8}$	4 $\frac{3}{4}$	8 $\frac{1}{8}$	3 × 3	Do. ...	Do.





### HOG DEER (*Cervus porcinus*).

*Habitat*—India.

Length.	Circumference above brow line.	Tip to Tip.	Habitat.	Owner.
19 $\frac{1}{4}$	3 $\frac{1}{8}$	9 $\frac{1}{2}$	India ... ..	A. O. Hume, Private Collection.
19 $\frac{1}{8}$	3 $\frac{1}{4}$	16 $\frac{1}{2}$	Burmah ... ..	Sir Victor Brooke's Collection.
19 $\frac{3}{8}$	3 $\frac{3}{8}$	18 $\frac{3}{4}$	India ... ..	H. C. V. Hunter.
17 $\frac{3}{4}$	3 $\frac{1}{2}$	9 $\frac{1}{4}$	Nepal ... ..	B. H. Hodgson, British Museum.
17 $\frac{1}{8}$	3 $\frac{1}{8}$	9 $\frac{1}{4}$	India ... ..	J. Carr-Saunders.
17	2 $\frac{7}{8}$	12 $\frac{5}{8}$	Do. ... ..	H. C. V. Hunter.
16 $\frac{7}{8}$	3	10 $\frac{3}{8}$	Do. ... ..	British Museum.
16 $\frac{1}{2}$	2 $\frac{3}{4}$	9	Nepal ... ..	B. H. Hodgson, British Museum.
16 $\frac{3}{8}$	3 $\frac{5}{8}$	9 $\frac{3}{8}$	India ... ..	British Museum.
16 $\frac{1}{4}$	2 $\frac{7}{8}$	8	Do. ... ..	H. C. V. Hunter.
16 $\frac{1}{8}$	2 $\frac{7}{8}$	8 $\frac{5}{8}$	Do. ... ..	Gen. Hardwicke, British Museum.
15 $\frac{5}{8}$	3 $\frac{1}{8}$	8	Do. ... ..	British Museum.

**HOG DEER (*Cervus porcinus*)—continued.**

Length.	Circumference above brow line.	Tip to Tip.	Habitat.	Owner.
14 $\frac{1}{4}$	3 $\frac{1}{4}$	10 $\frac{3}{4}$	Nepal ... ..	B. H. Hodgson, British Museum.
14 $\frac{1}{8}$	2 $\frac{3}{4}$	(single horn)	India ... ..	Gen. Hardwicke, British Museum.
14	3	8 $\frac{5}{8}$	Do. ... ..	H. R. H. Duke of Edinburgh.
13 $\frac{1}{4}$	3 $\frac{1}{8}$	10 $\frac{3}{4}$	Do. ... ..	Gen. Hardwicke, British Museum.
13	3 $\frac{1}{8}$	12 $\frac{3}{4}$	Do. ... ..	Hon. Walter Rothschild.
12 $\frac{3}{4}$	3	10 $\frac{5}{8}$	Nepal ... ..	B. H. Hodgson, British Museum.
12 $\frac{1}{2}$	3	12 $\frac{7}{8}$	India ... ..	Gen. Hardwicke, British Museum.
11 $\frac{1}{4}$	3 $\frac{1}{4}$	9 $\frac{3}{4}$	Do. ... ..	British Museum.
11 $\frac{1}{4}$	2 $\frac{5}{8}$	11	Do. ... ..	Gen. Hardwicke, British Museum.
9 $\frac{1}{2}$	3	(single horn)	Do. ... ..	Do.

**KUHL'S STAG (*Cervus kuhli*).**

[Sir VICTOR BROOKE, P.Z.S. 1878, p. 902.]

[1839-44. *Cervus kuhlii*, Mull. "Verh. Nat. Gesch. Ned. Bez. Zoo.," p. 223, pls. 44, 45, figs. 12-14.*Habitat*—Bavian Islands. *Type*—Mus. Leyden.

THIS species was originally described by Muller from specimens collected by Diard in the Bavian Islands, to which locality the species, as far as is at present known, is confined. The auditory bullæ in *Cervus kuhli* are largely inflated. By this character the skull may be distinguished from that of any of the Rusine deer, with the exception of *C. porcinus*. The skull of *C. kuhli* differs from that of *C. porcinus* in having the facial portion anterior to the orbits much more compressed, and the orbits much more prominent. *C. kuhli* has proportionally much longer limbs than *C. porcinus*; and all the hairs of the back and sides are annulated



in the former and not in the latter species. The young of *C. kuhli* are unspotted, which is not the case with those of *C. porcinus*. Both species are devoid of upper canines.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
$9\frac{3}{4}$	$2\frac{7}{8}$	$10\frac{7}{8}$	$10\frac{7}{8}$	3...3	Java... ..	British Museum.

### MOLUCCAN DEER (*Cervus moluccensis*).

[Sir VICTOR BROOKE, P.Z.S. 1878, p. 904.]

#### DIMENSIONS.

	Eng. inches.
Total length of skull in a straight line ... ..	11
From ant. rim of orbit to free extremity of præmaxillæ	5·7
Length of upper molar series ... ..	1·8
„ premolar series ... ..	1·4
Greatest length of nasals ... ..	3·5
Length of præmaxillæ ... ..	2·9
Across the lower rims of orbits at the widest place...	4·5
Length of humerus ... ..	7·9
„ radius ... ..	7·2
„ metacarpal cannon ... ..	6·1
„ femur ... ..	9·7
„ tibia ... ..	10·5
„ metatarsal cannon ... ..	7

*Habitat*—Molucca Islands.

Length.	Circumference.	Tip to Tip.	Points.	Habitat.	Owner.
$36\frac{1}{8}$	$4\frac{5}{8}$	$18\frac{1}{2}$	$3 \times 3$	... ..	Sir Edmund G. Loder, Bart.
$8\frac{3}{4}$	4	$5\frac{1}{8}$	...	Batchian ...	A. R. Wallace, British Museum.
$6\frac{1}{4}$	$3\frac{3}{8}$	$5\frac{5}{8}$	...	... ..	British Museum.

**SWAMP DEER** (*Cervus duvaucelli*).*Habitat*—India.*Weight*—About 40 stone.

Length round outside.	Circum- ference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
41	5½	(one horn broken)		6 × 6	Central Provinces	Major C. S. Cumberland. (Shot in 1891.)
39½	5	35½	37½	5 × 6	India ... ..	Do.
37¾	5¼	23½	28½	7 × 6	... ..	Sir Edmund G. Loder, Bart.
36	5	29¾	33¾	6 × 5	Nepal... ..	B. H. Hodgson, British Museum.
35¾	4¾	27	29¾	...	... ..	Sir Victor Brooke's Collection.
35¼	5¾	22¼	...	7 × 6	... ..	H. C. V. Hunter.
34¾	5½	38¼	...	5 × 5	Central Provinces	Major C. S. Cumberland.
33½	4¾	26½	29¼	5 × 5	Do.	Do.
33½	5½	38¾	...	5 × 5	Do.	Do.
32¾	5¼	22¾	26¾	5 × 6	... ..	A. O. Hume, Private Collection.
32¾	5	27½	...	6 × 7	... ..	Capt. Henry Streatfield.
32¾	5	33¼	35	6 × 6	... ..	Sir Robert Harvey, Bart.
32¼	5½	19½	24½	7 × 7	... ..	H. R. H. Duke of Edinburgh.
31¾	4¾	26½	30	5 × 6	... ..	Major Cumberland.
31¾	4¾	27½	30	7 × 8	Nepal... ..	B. H. Hodgson, British Museum.



SWAMP DEER (*Cervus duvaucelli*)—*continued*.

Length round outside.	Circum- ference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
31 $\frac{5}{8}$	5 $\frac{1}{2}$	30 $\frac{1}{4}$	32 $\frac{3}{8}$	6 × 6	Central Provinces	Major C. S. Cumberland.
31 $\frac{3}{8}$	4 $\frac{7}{8}$	26 $\frac{3}{4}$	30 $\frac{1}{2}$	5 × 5	Do.	Do.
31 $\frac{1}{8}$	4 $\frac{5}{8}$	22 $\frac{1}{2}$	26 $\frac{1}{4}$	6 × 6	Nepal ...	B. H. Hodgson, British Museum.
31	5 $\frac{3}{8}$	16	22 $\frac{3}{8}$	6 × 5	Do. ...	Do.
30 $\frac{3}{8}$	5 $\frac{1}{8}$	26	27 $\frac{1}{2}$	7 × 7	... ..	A. O. Hume, Private Collection.
29 $\frac{3}{8}$	5	19 $\frac{1}{2}$	22 $\frac{1}{4}$	8 × 8	... ..	Hume Collection, British Museum.
29 $\frac{1}{4}$	5	27	29 $\frac{1}{4}$	7 × 8	... ..	Do.
29 $\frac{1}{8}$	6 $\frac{1}{4}$	20 $\frac{1}{4}$	28 $\frac{1}{4}$	... ..	... ..	Sir Victor Brooke's Collection.
29 $\frac{1}{8}$	4 $\frac{3}{4}$	19 $\frac{7}{8}$	23 $\frac{1}{4}$	6 × 5	... ..	Earl of Derby, British Museum.
29	5 $\frac{1}{8}$	24 $\frac{5}{8}$	27 $\frac{3}{8}$	6 × 6	... ..	Capt. Henry Streatfield.
29	4 $\frac{1}{4}$	25 $\frac{1}{8}$	26 $\frac{7}{8}$	9 × 8	Nepal ...	B. H. Hodgson, British Museum.
28 $\frac{1}{2}$	5	24	25 $\frac{3}{4}$	8 × 7	... ..	Hume Collection, British Museum.
27 $\frac{3}{8}$	5 $\frac{1}{2}$	23 $\frac{1}{4}$	26 $\frac{1}{2}$	6 × 5	... ..	British Museum.
27 $\frac{1}{8}$	4 $\frac{3}{8}$	18	23 $\frac{1}{4}$	5 × 6	Nepal ...	B. H. Hodgson, British Museum.
27	4 $\frac{5}{8}$	27 $\frac{1}{2}$	...	6 × 5	... ..	Hon. Walter Rothschild.
26	5	28	...	6 × 5	... ..	Do.
25	3 $\frac{3}{4}$	23 $\frac{1}{4}$	23 $\frac{1}{2}$	6 × 6	... ..	H. C. V. Hunter.
24	4	20	...	6 × 6	... ..	Do.
23 $\frac{3}{4}$	4	20 $\frac{5}{8}$	22 $\frac{1}{8}$	6 × 5	Nepal ...	B. H. Hodgson, British Museum.
22 $\frac{1}{8}$	5 $\frac{3}{8}$	18	19 $\frac{3}{4}$	7 × 6	Do. ...	Do.
20	4 $\frac{1}{2}$	17	...	6 × 6	... ..	M. B. Snell.
13 $\frac{1}{4}$	2 $\frac{1}{2}$	10 $\frac{3}{8}$	11 $\frac{1}{2}$	4 × 4	... ..	Hume Collection, British Museum.

**SCHOMBURGK'S DEER** (*Cervus schomburgki*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1876, p. 306.]

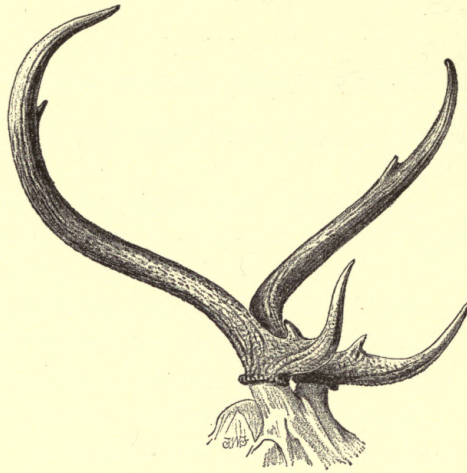
ADULT MALE.—Antlers with very long powerful brow-antlers, which are frequently forked; beam very short, and more or less laterally compressed; upper part of the antlers strictly dichotomous, each of the main branches about equally developed, and in itself dichotomous, and furnished with long cylindrical tines. External surface of the antlers smooth and polished. Hair in winter rather long and coarse. General colour uniform brown, darkest on the nose and upper surface of the tail, and lightest on the cheeks and lower parts of the sides and haunches. Lower lip, belly, and under surface of tail whitish. Upper lip, occiput, and limbs with a decided tinge of rufous. The hair on the front of the metacarpal cannon bones is lengthened into an everted mane about 2 inches in length.

IMMATURE MALE.—Antlers with the posterior of the two main branches less developed than the anterior branch.

*Habitat*—Northern parts of Siam.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
30 $\frac{1}{8}$	5	15 $\frac{5}{8}$	33	10 x 10	Siam ... ..	British Museum.
29 $\frac{7}{8}$	5 $\frac{1}{8}$	23 $\frac{5}{8}$	26 $\frac{7}{8}$	9 x 8	Do. ... ..	Do.
29 $\frac{3}{4}$	4 $\frac{3}{4}$	28 $\frac{3}{8}$	31 $\frac{5}{8}$	10 x 11	Do. ... ..	Do.
28 $\frac{1}{2}$	5 $\frac{1}{4}$	11	29 $\frac{3}{8}$	11 x 9	... ..	Sir Victor Brooke's Collection.
27 $\frac{7}{8}$	5 $\frac{3}{8}$	14	24 $\frac{1}{2}$	9 x 8	Siam ... ..	British Museum.
27 $\frac{3}{4}$	4 $\frac{3}{8}$	18 $\frac{1}{2}$	24 $\frac{7}{8}$	7 x 8	Do. ... ..	Do.



**BURMESE STAG or THEMEN (Cervus eldi).***Habitat*—Burmah and Hainan.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Length of brow tine.	Habitat.	Owner.
39 $\frac{5}{8}$	5	31 $\frac{3}{8}$	36 $\frac{5}{8}$	20 (small points)	...	Siam ... ..	Sir Edmund G. Loder, Bart.
38 $\frac{7}{8}$	6 $\frac{1}{4}$	25 $\frac{1}{2}$	30 $\frac{3}{8}$	16 x 19	...	India ... ..	British Museum.
37 $\frac{1}{2}$	5 $\frac{3}{8}$	20 $\frac{1}{4}$	30 $\frac{1}{2}$	5 x 5	...	Do. ... ..	Do.
37	6 $\frac{1}{8}$	...	31 $\frac{1}{4}$	...	10 $\frac{1}{2}$	... ..	Rowland Ward's Collection.
36 $\frac{1}{8}$	5 $\frac{1}{2}$	28 $\frac{3}{4}$	31 $\frac{3}{4}$	4 x 3	...	... ..	A. O. Hume, Private Collection.
35 $\frac{3}{4}$	5 $\frac{3}{8}$	30 $\frac{7}{8}$	34 $\frac{1}{2}$	4 x 5	...	India ... ..	British Museum.
34 $\frac{7}{8}$	5 $\frac{1}{2}$	27 $\frac{1}{2}$	32	6 x 6	...	... ..	Hume Collection, British Museum.
34 $\frac{5}{8}$	6 $\frac{1}{8}$	24	30 $\frac{3}{8}$	5 x 6	...	... ..	A. O. Hume, Private Collection.
34 $\frac{1}{8}$	5	24	32 $\frac{1}{4}$	6 x 6	...	... ..	Hon. Walter Rothschild.
34	5 $\frac{7}{8}$	23 $\frac{1}{2}$	29 $\frac{3}{4}$	10 x 10	...	... ..	J. Carr-Saunders.
33 $\frac{7}{8}$	5 $\frac{1}{8}$	25 $\frac{7}{8}$	28 $\frac{3}{4}$	6 x 6	...	India ... ..	British Museum.
33 $\frac{1}{2}$	5 $\frac{1}{2}$	...	40	...	15	... ..	Col. Pole Carew.

BURMESE STAG or THEMIN (*Cervus eldi*)—*continued*.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Length of brow tine.	Habitat.	Owner.
33½	5½	25	29½	5 × 4	...	... ..	Hume Collection, British Museum.
33½	5½	26¼	30¼	3 × 3	...	... ..	Do.
33½	5½	33½	37¼	5 × 5	...	British Burmah	Sir Edmund G. Loder, Bart.
33	4½	28½	32½	3 × 3	...	... ..	Sir Victor Brooke's Collection.
32½	5½	20¼	20½	4 × 3	...	... ..	Gen. Sir Henry Collett, K.C.B.
31½	4½	34½	35½	6 × 5	...	... ..	Sir Victor Brooke's Collection.
31½	4½	20	27	9 × 9	...	... ..	Do.
31½	5	25½	29½	6 × 7	...	Nepal...	B. H. Hodgson, British Museum.
30½	4¾	23½	25½	5 × 5	...	India ...	British Museum.
30½	4¾	22½	25½	6 × 5	...	... ..	Do.
30½	4¾	19¼	23¼	5 × 3	...	Nepal...	Do.
29	6½	20	24¾	6 × 5	...	... ..	Hume Collection, British Museum.
27¾	4½	27½	...	5 × 6	...	... ..	Sir Victor Brooke's Collection.
25½	4½	22	23¾	4 × 4	...	... ..	British Museum.
25	4½	18½	24	6 × 7	...	... ..	Do.
18½	3½	12½	13½	5 × 6	...	Formosa ...	R. Swinhoe, British Museum.
17½	3½	13½	14¾	3 × 5	...	Do. ...	Do.
15½	2½	9¾	10½	3 × 2	...	Do. ...	Do.
13½	3¼	...	12½	5 × 6	...	Siam ...	British Museum.
13¼	2½	7½	8½	3 × 2	...	Formosa ...	R. Swinhoe, British Museum.



**PERE DAVID'S DEER (*Cervus davidianus*).**

[Sir VICTOR BROOKE, P.Z.S. 1878, p. 906.]

ANTLERS dichotomous, about twice the length of the head, pedestals short. The anterior branch of the antlers (*b*) more strongly developed than the posterior branch (*c*) and in adult specimens bifurcating and carrying many strong tines. Facial portion of the skull much elongated. Ears small and narrow; eye small; tail long; neck maned; stature large; young unspotted.

*Distribution*—North-eastern Palæarctic region.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
32 $\frac{7}{8}$	6 $\frac{3}{8}$	13 $\frac{5}{8}$	18 $\frac{1}{2}$	8 × 8	Near Pekin ...	Sir Edmund G. Loder, Bart.
28 $\frac{1}{4}$	5 $\frac{3}{8}$	26 $\frac{1}{2}$	...	3 × 3	.. ..	Hon. Walter Rothschild.
27	5 $\frac{7}{8}$	20 $\frac{1}{4}$	...	6 × 5	... ..	British Museum.

**JAVA DEER (*Cervus rusa*).**

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
35 $\frac{1}{2}$	4 $\frac{3}{8}$	22 $\frac{3}{4}$	..	3 × 3	Java ... ..	Sir Victor Brooke's Collection. (Shot by Col. Douglas Hamilton.) Do.
34	4 $\frac{3}{4}$	16 $\frac{3}{8}$	17 $\frac{1}{2}$	3 × 3	... ..	



**AXIS** (*Axis maculata*).

*Native Name*—Chital or Chitra.

*Habitat*—India.

Length outside curve.	Circum- ference above first point.	Tip to Tip.	Points.	Habitat.	Owner.
37½	4¼	24⅜	4 × 4	India ...	A. O. Hume, Private Collection.
37⅜	4	24½	3 × 3	Do. ...	Do.
37¼	4¼	16⅞	4 × 5	Do. ...	Sir Victor Brooke's Collection.
36¾	4⅝	19½	4 × 4	Do. ...	W. C. Oswell.
36½	4½	25	3 × 4	Do. ...	C. H. Seeley.
36	4¼	25¼	3 × 4	Do. ...	British Museum.
35½	4¼	18½	4 × 4	Do. ...	Sir Edmund Loder, Bart.
35¼	4⅝	22⅞	3 × 3	Do. ...	Major-Gen. Ellis, C.S.I.
34¾	4½	17¾	...	Do. ...	H.R.H. Duke of Edinburgh.
35⅝	4⅝	23	3 × 4	Do. ...	British Museum.
34⅝	3⅝	14⅝	3 × 3	Do. ...	Do.
34½	6½	15½	5 × 4	Do. ...	Capt. G. Campbell.
34½	4¼	20½	3 × 3	Do. ...	Sir Victor Brooke's Collection.
34	4⅞	16½	...	Do. ...	Col. Pole-Carew.
33⅞	3⅞	22	4 × 4	Do. ...	British Museum.
33⅝	3⅞	(one horn broken)	3 × 3	Do. ...	Do.
33½	4⅝	13½	3 × 3	Do. ...	J. Carr-Saunders.
33½	4⅝	23⅝	4 × 5	Central Provinces ...	Major C. S. Cumberland.



**AXIS (*Axis maculata*)—continued.**

Length outside curve.	Circum- ference above first point.	Tip to Tip.	Points.	Habitat.	Owner.
33 $\frac{1}{4}$	4 $\frac{1}{8}$	20 $\frac{1}{4}$	4 × 4	India ... ..	British Museum.
33 $\frac{1}{4}$	4 $\frac{1}{4}$	22 $\frac{1}{2}$	4 × 5	Do. ... ..	Do.
33 $\frac{1}{4}$	3 $\frac{7}{8}$	13	2 × 3	Yeddacurra, South India.	Sir Victor Brooke's Collection. (Shot by Col. Doug. Hamilton.)
33 $\frac{1}{8}$	3 $\frac{5}{8}$	14 $\frac{3}{8}$	3 × 4	India ... ..	Sir James Anderson, Bart.
33 $\frac{5}{8}$	4 $\frac{1}{8}$	21 $\frac{1}{8}$	3 × 4	Do. ... ..	British Museum.
32 $\frac{7}{8}$	4 $\frac{3}{8}$	21 $\frac{1}{2}$	3 × 3	Do. ... ..	Hon. Walter Rothschild.
32 $\frac{3}{4}$	3 $\frac{7}{8}$	14	3 × 3	Do. ... ..	Sir James Anderson, Bart.
32 $\frac{1}{2}$	4 $\frac{1}{4}$	23 $\frac{3}{8}$	5 × 4	Karkoor, South India	Sir Victor Brooke's Collection.
32 $\frac{3}{8}$	3 $\frac{7}{8}$	15 $\frac{1}{4}$	3 × 3	Central Provinces ...	Major C. S. Cumberland.
31 $\frac{1}{2}$	3 $\frac{5}{8}$	19 $\frac{1}{2}$	5 × 5	India ... ..	British Museum.
31 $\frac{7}{8}$	4 $\frac{1}{4}$	22	6 × 6	Do. ... ..	Do.
31 $\frac{1}{4}$	3 $\frac{3}{4}$	10 $\frac{7}{8}$	3 × 3	Do. ... ..	H. C. V. Hunter.
30 $\frac{1}{2}$	4	10 $\frac{1}{2}$	3 × 3	Do. ... ..	Do.
30 $\frac{3}{8}$	4 $\frac{1}{8}$	21 $\frac{3}{4}$	4 × 4	Do. ... ..	Sir Robert Harvey, Bart.
30 $\frac{3}{8}$	3 $\frac{5}{8}$	6 $\frac{5}{8}$	3 × 3	Do. ... ..	H. R. H. Duke of Edinburgh.
29 $\frac{7}{8}$	4 $\frac{1}{8}$	20 $\frac{1}{4}$	3 × 3	Do. ... ..	British Museum.
29 $\frac{7}{8}$	3 $\frac{1}{2}$	4 $\frac{3}{8}$	4 × 4	Nepal ... ..	B. H. Hodgson, British Museum.
29 $\frac{7}{8}$	3 $\frac{5}{8}$	16 $\frac{1}{2}$	3 × 3	India ... ..	Sir Robert Harvey, Bart.
29 $\frac{3}{8}$	4 $\frac{1}{8}$	17 $\frac{5}{8}$	5 × 4	Do. ... ..	British Museum.
29	3 $\frac{5}{8}$	18 $\frac{1}{2}$	3 × 3	Nepal ... ..	B. H. Hodgson, British Museum.
28 $\frac{5}{8}$	3 $\frac{3}{8}$	15 $\frac{1}{4}$	3 × 3	India ... ..	Martyn Kennard.
28 $\frac{5}{8}$	3 $\frac{5}{8}$	13 $\frac{7}{8}$	3 × 3	Do. ... ..	Rowland Ward's Collection.
28	3 $\frac{1}{2}$	12 $\frac{5}{8}$	3 × 3	Do. ... ..	Sir Robert Harvey, Bart.
27	3 $\frac{1}{2}$	8 $\frac{1}{2}$	3 × 3	Do. ... ..	Capt. Lewis Jones, R.E.
24 $\frac{3}{4}$	3 $\frac{1}{8}$	19 $\frac{3}{8}$	3 × 3	Do. ... ..	British Museum.
23 $\frac{3}{8}$	2 $\frac{7}{8}$	11 $\frac{1}{4}$	3 × 3	Do. ... ..	Do.
22 $\frac{1}{8}$	3 $\frac{3}{8}$	9 $\frac{3}{4}$	6 × 6	Nepal ... ..	B. H. Hodgson, British Museum.

**JAPANESE DEER (*Cervus sika*).**

SEVERAL herds of these Deer have been acclimatized in Great Britain, notably by the late Sir Victor Brooke, Bart., at Colebrooke, Ireland, and Viscount Powercourt, county Wicklow, as well as Sir Robert Harvey, Bart, at Langley, Slough.

*Habitat*—Japan.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
31 $\frac{1}{2}$	5 $\frac{1}{2}$	27 $\frac{1}{8}$	27 $\frac{3}{8}$	4 × 4	... ..	Sir Edmund G. Loder, Bart.
25 $\frac{3}{8}$	4 $\frac{1}{8}$	20 $\frac{1}{4}$	...	4 × 4	... ..	Do.
22 $\frac{1}{2}$	3 $\frac{1}{8}$	16 $\frac{1}{8}$	19 $\frac{1}{2}$	8 × 9	North Japan ...	St. George Littledale.
21 $\frac{5}{8}$	3 $\frac{3}{8}$	16 $\frac{1}{2}$	20 $\frac{1}{8}$	10 × 6	Islands of Yezzo...	Do.
18 $\frac{1}{2}$	3 $\frac{3}{4}$	...	12	9	Bred in Ireland ...	Sir Victor Brooke's Collection.
16 $\frac{3}{4}$	3 $\frac{1}{8}$	...	13	4 × 3	Japan ... ..	British Museum.
16 $\frac{5}{8}$	3 $\frac{1}{2}$	...	12 $\frac{1}{2}$	4 × 4	Bred in Ireland ...	Sir Victor Brocke's Collection.
13 $\frac{7}{8}$	2 $\frac{3}{4}$	...	14 $\frac{3}{4}$	3 × 3	Japan ... ..	British Museum.
12 $\frac{1}{2}$	2 $\frac{3}{8}$	6 $\frac{1}{2}$	6 $\frac{3}{4}$	3 × 3	Do. ... ..	Do.

**MANTCHURIAN DEER (*Cervus mantchuricus*).**

[SWINHOE, P.Z.S. 1865, p. 1.]

FINE buck from Newchwang, still in summer coat, examined 30th September, 1864. General colour reddish brown; under neck and fore thighs covered with rather long dusky brown hair; hair of neck, chiefly on its back part and down part of the back list, long and shaggy; list black between the shoulders, fading towards



the tail, inner portion of hind thighs, and inside hair of ears; a large spot on the outer portion of ear near its root; rim round the eye and chin; throat white; body ornamented with large spots of white; tail, including apical hair, nearly one foot long; the hair that overhangs the roots of the tail on either side black; basal half of tail white; apical half black with white tips; under the tail and between the hams white; knees and front of tibiae brown; head, from crown to tip of nose, about 20 inches long; ear about 9 inches; forehead and before the eyes reddish; rest of face brownish fawn colour; horns, with frontal tine about 5 inches long, bent a little downwards at the tips; about 8 inches of the stem between lowest tine and the next above, which are broken and represented only by a knob; top stem between that and the top knob about 4 inches.

*Habitat*—China.

Length.	Circumference.	Tip to Tip.	Points.	Habitat.	Owner.
15 $\frac{3}{8}$	3	20	4 × 4	South Ussuri, Manchuria ...	British Museum.

### FORMOSA DEER (*Cervus taëvanus*).

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
19 $\frac{3}{4}$	3 $\frac{3}{8}$	13	16 $\frac{3}{8}$	4 × 4	Islands of Formosa ...	British Museum.



STOKE PARK DEER HEAD.



WILD RED DEER.

**RED DEER (*Cervus elaphus*).***Habitat*—Europe, Western Asia, and North Africa.

Length round outside.	Circumference between bez and trez times.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
68	...	...	65 (outside)	44	st. lb. 5 4 (of horns)	Carpathians(?)	Lord Powerscourt, P.Z.S. 1862, p. 142.
48½	6	30	41½ (outside)	5 × 6	...	Ichater Dagh (Crimea).	H.R.H. Duke of Edinburgh, 1874.
48½	7¼	(single horn)	...	12	...	Asia Minor	Lord A. Hay, British Museum.
47¾	5½	38	...	6 × 5	...	Caucasus ...	St. George Littledale.
47½	7¼	34	41½	8 × 9	...	Germany...	Sir Victor Brooke's Collection.
47	7½	36	37¾	6 × 7	...	Caucasus ...	St. George Littledale.
46¾	5¾	18	33	8 × 8	...	Do. (7,000 ft.)	Do. British Museum.



RED DEER (*Cervus elaphus*)—*continued*.

Length round outside.	Circumference between bez and trez tines.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
45 $\frac{3}{8}$	7 $\frac{3}{8}$	25 $\frac{1}{8}$	35 $\frac{3}{8}$	8 × 8	st. lbs. ...	Caucasus ...	St. George Littledale.
45 $\frac{5}{8}$	6 $\frac{1}{8}$	26 $\frac{3}{8}$	38 $\frac{1}{4}$	5 × 5	...	Hungary ...	Major - Gen. Arthur Ellis, C.S.I., 1886.
45 $\frac{1}{8}$	7 $\frac{3}{8}$	...	...	9 × 6	...	Asia Minor	Sir Edmund G. Loder, Bart.
44 $\frac{3}{4}$	6 $\frac{1}{2}$	33 $\frac{3}{4}$	35 $\frac{1}{8}$	7 × 5	...	Caucasus ...	St. George Littledale.
44 $\frac{5}{8}$	6 $\frac{3}{4}$	39	40	7 × 7	...	Hungary ...	Major - Gen. Arthur Ellis, C.S.I., 1886.
44 $\frac{1}{4}$	7	31 $\frac{1}{4}$	34	6 × 6	...	Caucasus ...	St. George Littledale.
44 $\frac{1}{4}$	6 $\frac{7}{8}$	(single horn)	...	9	...	Asia Minor	C. G. Danford, British Museum.
43 $\frac{1}{2}$	6 $\frac{3}{4}$	21 $\frac{3}{4}$	35	7 × 7	...	Caucasus ...	St. George Littledale.
43 $\frac{1}{2}$	6	...	38 $\frac{1}{2}$	8 × 6	...	Asia Minor	E. N. Buxton.
43	6 $\frac{1}{2}$	20 $\frac{1}{8}$	25 $\frac{3}{8}$	8 × 2 (malformed)	...	Caucasus ...	St. George Littledale.
42 $\frac{1}{2}$	6 $\frac{1}{4}$	34 $\frac{3}{8}$	37 $\frac{3}{4}$	6 × 7	...	Do. ...	Do.
42 $\frac{3}{8}$	6 $\frac{3}{8}$	37 $\frac{1}{4}$	41	7 × 7	...	Do. ...	Do. 1887.
41 $\frac{7}{8}$	6 $\frac{1}{2}$	15 $\frac{7}{8}$	29 $\frac{5}{8}$	6 × 5	...	Do. ...	Do.
41 $\frac{7}{8}$	5 $\frac{1}{4}$	...	25 $\frac{1}{4}$	6 × 6	...	Germany...	British Museum.
41 $\frac{1}{8}$	5 $\frac{3}{4}$	15 $\frac{1}{2}$	28 $\frac{1}{8}$	6 × 5	...	Caucasus ...	H. R. H. Duc d'Orleans.
40 $\frac{5}{8}$	6 $\frac{7}{8}$	(single horn)	...	8	...	Crimea ...	British Museum.
40 $\frac{1}{4}$	6	18 $\frac{1}{8}$	28 $\frac{1}{2}$	6 × 8	...	Hungary ...	Major - Gen. Arthur Ellis, C.S.I., 1886.
40 $\frac{1}{4}$	5	20 $\frac{3}{4}$	27 $\frac{3}{8}$	7 × 6	...	... ..	H. R. H. Duke of Edinburgh.
39 $\frac{5}{8}$	5 $\frac{1}{4}$	14 $\frac{1}{2}$	26 $\frac{3}{8}$	7 × 7	26 II	Ireland (age 8 years).	Sir Victor Brooke's Collec- tion, 1886.
39 $\frac{1}{4}$	6	30	33 $\frac{1}{2}$	6 × 5	...	Caucasus ...	St. George Littledale.
*38 $\frac{7}{8}$	5 $\frac{3}{8}$	...	...	5 × 6	...	... ..	Sir Edmund G. Loder, Bart.
38 $\frac{1}{2}$	4 $\frac{7}{8}$	22 $\frac{1}{2}$	31	8 × 8	23 II	Ireland (age 10 years).	Sir Victor Brooke's Collec- tion, 1881.
37 $\frac{3}{8}$	5 $\frac{5}{8}$	14 $\frac{3}{4}$	26 $\frac{1}{8}$	6 × 7	...	... ..	H. R. H. Duke of Edinburgh.
38 $\frac{1}{8}$	5	26 $\frac{1}{4}$	30 $\frac{5}{8}$	7 × 7	25 0	Ireland (age 9 years).	Sir Victor Brooke's Collec- tion, 1884.
37 $\frac{1}{4}$	6	32 $\frac{1}{8}$	35 $\frac{1}{8}$	7 × 8	...	Ireland (age 12 years).	Sir Victor Brooke's Collec- tion, 1878.

\* *Cervus barbarus*.

RED DEER (*Cervus elaphus*)—continued.

Length round outside.	Circumference between bez and trez lines.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
37 $\frac{1}{4}$	5	24	29	7 × 7	st. lbs. ...	Caucasus ...	H. R. H. Duc d'Orleans.
37 $\frac{1}{4}$	5	14 $\frac{3}{4}$	24 $\frac{3}{4}$	6 × 5	...	... ..	H. R. H. Duke of Edinburgh.
36 $\frac{1}{2}$	6 $\frac{3}{8}$	...	32 $\frac{1}{2}$	9 × 9	...	Wairarapa, N.Z.	J. Handyside. ( <i>The Field</i> , Feb. 6, 1891.)
36 $\frac{1}{2}$	5 $\frac{1}{4}$	19 $\frac{1}{2}$	24 $\frac{3}{4}$	9 × 7	...	... ..	J. Carr Saunders.
* 36 $\frac{1}{2}$	4 $\frac{3}{4}$	22 $\frac{7}{8}$	28 $\frac{3}{4}$	4 × 4	...	... ..	British Museum.
* 36 $\frac{3}{8}$	4 $\frac{1}{2}$	17 $\frac{1}{2}$	25 $\frac{5}{8}$	4 × 4	...	... ..	Do.
36	5 $\frac{1}{2}$	37	...	15	...	South Spain	Lord Lilford.
36	6 $\frac{1}{2}$	24	30	6 × 6	...	Vaynol Park, North Wales.	Assheton Smith.
35 $\frac{1}{2}$	5 $\frac{1}{4}$	26 $\frac{1}{2}$	32 $\frac{3}{8}$	13 × 11 (perished)	...	Ireland (dug up).	Sir Victor Brooke's Collec- tion.
35	6	14 $\frac{1}{2}$	24	6 × 6	...	Vaynol Park, North Wales.	Assheton Smith.
35	...	...	34	10	16 1	North Morar	T. W. Gill. ( <i>The Field</i> , Dec. 6, 1890.)
35	4 $\frac{3}{8}$	...	30	9	...	Ireland ...	Hon. A. Charter's, 1889.
34 $\frac{3}{4}$	5 $\frac{3}{4}$	20 $\frac{1}{4}$	27 $\frac{3}{4}$	7 × 8	...	Caucasus ...	H. R. H. Duc d'Orleans.
34 $\frac{5}{8}$	5 $\frac{1}{8}$	(single horn)	...	7	...	Germany...	British Museum.
34 $\frac{1}{2}$	5 $\frac{1}{8}$	(shed horns)	...	11 × 9	...	Ireland (still alive).	Sir Victor Brooke's Collec- tion.
34 $\frac{1}{2}$	5	17 $\frac{3}{4}$	26 $\frac{1}{4}$	7 × 7	...	... ..	J. Carr-Saunders.
34 $\frac{3}{8}$	5 $\frac{1}{8}$	25 $\frac{1}{4}$	29 $\frac{3}{8}$	8 × 9	29 0	Ireland (age 8 years).	Sir Victor Brooke's Collec- tion, 1875.
34 $\frac{1}{4}$	4 $\frac{1}{8}$	16 $\frac{1}{4}$	24 $\frac{3}{8}$	5 × 5	...	Scotland ...	F. Devas.
34	4 $\frac{3}{4}$	...	31 $\frac{1}{2}$	6 × 5	26 8	Ireland ...	Ralph Sneyd.
34	5 $\frac{1}{4}$	34	...	5 × 5	...	Caucasus ...	H. R. H. Duc d'Orleans.
34	...	...	30 $\frac{1}{2}$	11	17 2	North Morar	T. W. Gill. ( <i>The Field</i> , Dec. 6, 1890.)
34	4 $\frac{1}{2}$	...	23	6 × 6	...	... ..	H. R. H. Comtesse de Paris.
33 $\frac{3}{4}$	5	...	26	5 × 5	...	Muckcross, Ireland.	Hon. Mrs. Bourke.
33 $\frac{3}{4}$	4 $\frac{7}{8}$	14 $\frac{1}{2}$	21 $\frac{3}{4}$	7 × 6	...	... ..	H. R. H. Duke of Edinburgh.
33 $\frac{1}{8}$	4 $\frac{7}{8}$	17 $\frac{5}{8}$	24 $\frac{1}{2}$	4 × 4	...	Scotland ...	Lord d'Arcy Osborn.

\* *Cervus barbarus*.



RED DEER (*Cervus elaphus*)—*continued*.

Length round outside.	Circumference between bez and trez times.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
33	4 $\frac{3}{8}$	26 $\frac{7}{8}$	31 $\frac{5}{8}$	6 × 6	st. lbs. ...	Rosshire ...	E. Lort Phillips.
33	6 $\frac{1}{2}$	...	30	7 × 7	29 11	Muckross, Ireland.	Hon. A. Bourke.
33	4 $\frac{3}{8}$	16	23 $\frac{1}{2}$	6 × 6	...	Vaynol Park, North Wales.	Assheton Smith.
32 $\frac{3}{4}$	4 $\frac{1}{2}$	...	28	5 × 4	...	Scotland ...	Sir Charles Tennant, Bart.
32 $\frac{5}{8}$	4 $\frac{5}{8}$	(single horn)	...	4	...	...	British Museum.
32 $\frac{5}{8}$	4 $\frac{1}{8}$	20 $\frac{3}{4}$	29 $\frac{7}{8}$	5 × 5	...	...	H. R. H. Duke of Edinburgh.
32 $\frac{1}{2}$	6	...	32	6 × 6	...	Morar ...	Capt. Gill. ( <i>The Field</i> , Feb. 6, 1891.)
32 $\frac{3}{8}$	4 $\frac{5}{8}$	24 $\frac{7}{8}$	31 $\frac{1}{8}$	5 × 5	...	...	H. R. H. Duke of Edinburgh.
32	5	...	22 $\frac{1}{2}$	5 × 4	19 0	Scotland ...	Sir W. G. Pearce, Bart.
31 $\frac{3}{4}$	3 $\frac{3}{4}$	...	26 $\frac{1}{2}$	4 × 4	...	Do. ...	Capt. F. Cookson.
31 $\frac{3}{4}$	4 $\frac{3}{4}$	...	25 $\frac{1}{2}$	6 × 5	...	...	A. Brassey.
31 $\frac{1}{2}$	5	...	26 $\frac{1}{2}$	12	17 0	Scotland ...	J. F. Laycock.
31 $\frac{1}{2}$	4 $\frac{3}{4}$	...	28	4 × 3	...	Norway ...	E. N. Denny.
31 $\frac{1}{2}$	4 $\frac{1}{2}$	...	26 $\frac{1}{2}$	6 × 4	...	Scotland ...	Sir W. G. Pearce, Bart.
31 $\frac{1}{2}$	4 $\frac{1}{2}$	...	24 $\frac{1}{2}$	5 × 5	...	Norway ...	H. Seton Karr, M. P.
31 $\frac{1}{4}$	4 $\frac{1}{8}$	16	24 $\frac{1}{8}$	7 × 5	...	Scotland ...	Capt. F. Cookson.
31 $\frac{1}{4}$	4 $\frac{5}{8}$	24 $\frac{7}{8}$	32	5 × 3	...	Rosshire ...	E. Lort Phillips.
31	5	...	22 $\frac{1}{2}$	12	18 1	Scotland ...	J. F. Laycock.
31	4 $\frac{1}{4}$	...	26 $\frac{1}{2}$	6 × 4	...	Do. ...	Sir W. G. Pearce, Bart.
31	4 $\frac{1}{4}$	...	20 $\frac{1}{2}$	6 × 6	...	Do. ...	W. N. Diggle.
31	4	...	28 $\frac{1}{2}$	11	15 0	Do. ...	J. F. Laycock.
31	4	...	24 $\frac{1}{2}$	4 × 4	...	Do. ...	Sir Chas. Tennant, Bart.
30 $\frac{7}{8}$	4 $\frac{3}{8}$	25 $\frac{7}{8}$	28 $\frac{1}{8}$	5 × 6	...	Do. ...	W. R. Cookson,
30 $\frac{3}{4}$	4 $\frac{5}{8}$	15 $\frac{7}{8}$	21 $\frac{1}{2}$	6 × 6	...	Do. ...	Capt. F. Cookson.
30 $\frac{1}{2}$	4 $\frac{1}{2}$	...	20	6 × 6	14 7	Do. ...	J. F. Laycock.
30 $\frac{1}{2}$	4 $\frac{1}{4}$	25	25 $\frac{7}{8}$	6 × 4	...	...	Col. G. A. Percy.

RED DEER (*Cervus elaphus*)—continued.

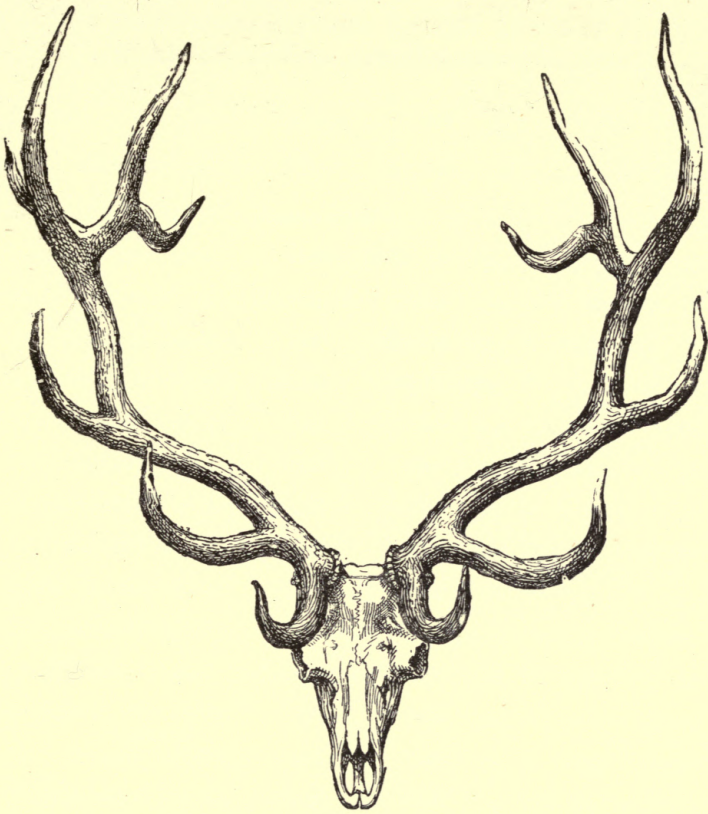
Length round outside.	Circumference between bez and trez times.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
30½	4½	23½	26½	5 × 5	st. lbs. ...	Scotland ...	Capt. F. Cookson.
30½	4½	14½	24½	5 × 5	...	Do. ...	Miss Laycock.
30½	4½	...	24	6 × 4	...	... ..	E. N. Buxton, 1880.
30½	4½	(single horn)	...	9	...	Germany ...	British Museum.
30	5	...	29	12	20 0	Norway ...	E. M. Denny.
30	4½	25½	28½	4 × 5	...	... ..	Col. G. A. Percy.
29½	4½	21½	23½	6 × 6	...	Scotland ...	J. F. Laycock.
29½	3½	26½	28½	6 × 6	...	... ..	Col. G. A. Percy.
29½	4½	...	24	4 × 4	14 1	Scotland ...	J. F. Laycock.
29½	4½	23½	27½	5 × 5	...	... ..	Col. G. A. Percy.
29½	3½	...	21½	5 × 6	...	Germany ...	British Museum.
29½	5½	24½	27½	3 × 4	...	Scotland ...	Sir William Eden, Bart.
29½	4½	19½	25½	5 × 5	...	... ..	Col. G. A. Percy.
29	4½	...	24	4 × 4	...	Scotland ...	W. N. Diggle.
29	4½	...	29	6 × 5	...	Do. ...	J. F. Laycock.
29	3½	...	24½	6 × 4	...	Do. ...	J. E. Wilmot.
28½	3½	...	23	4 × 3	...	Do. ...	F. Devas.
28½	5½	...	29	6 × 6	...	Norway ...	E. Lee Townshend.
28½	4½	...	24½	6 × 6	...	Scotland ...	Sir Charles Tennant, Bart.
28½	4½	...	22	6 × 5	18 7	Do. ...	Sir W. G. Pearce, Bart.
28½	4½	18½	24½	4 × 5	...	... ..	H. R. H. Duke of Edinburgh.
28½	4½	16½	22½	5 × 5	...	Scotland ...	W. R. Cookson.
28½	4½	29½	33½	6 × 6	...	... ..	Col. G. A. Percy.
28	5	...	23	5 × 3	17 7	Scotland ...	J. F. Laycock.
27½	4½	17½	23½	5 × 5	...	Do. ...	Lord D'Arcy Osborn.
27½	4	20½	27½	4 × 4	...	... ..	E. N. Buxton.



RED DEER (*Cervus elaphus*)—*continued*.

Length round outside.	Circumference between bez and trez times.	Tip to Tip.	Widest spread inside.	Points.	Weight.	Habitat.	Owner.
*27 $\frac{1}{8}$	4	25	25 $\frac{3}{8}$	4 × 3	st. lbs. ...	... ..	British Museum.
27	4	...	23	3 × 4	15 9	Scotland ...	F. Devas.
27	5 $\frac{1}{2}$	...	30 $\frac{7}{8}$	7 × 7	...	Glenquoich	Lord Burton. ( <i>The Field</i> , Feb. 6, 1891.)
26 $\frac{1}{4}$	3 $\frac{3}{4}$	15 $\frac{5}{8}$	20 $\frac{1}{2}$	5 × 6	...	Scotland ...	R. H. Helpman.
25 $\frac{5}{8}$	4 $\frac{3}{8}$	8 $\frac{5}{8}$	16 $\frac{3}{4}$	4 × 4	...	Do. ...	B. M. Jenkins.
25 $\frac{1}{2}$	4 $\frac{1}{2}$	...	25	6 × 6	15 2	Do. ...	J. F. Laycock.
25 $\frac{1}{4}$	3 $\frac{5}{8}$	15 $\frac{1}{4}$	18 $\frac{5}{8}$	7 × 6	...	Do. ...	Capt. F. Cookson.
25 $\frac{1}{8}$	3 $\frac{5}{8}$	20	23 $\frac{3}{4}$	4 × 4	...	Braemore...	E. N. Buxton, 1869.
25	3 $\frac{3}{4}$	...	16 $\frac{1}{2}$	6 × 5	...	Scotland ...	W. H. Purvis.
24 $\frac{3}{4}$	4 $\frac{1}{4}$	...	21	5 × 4	...	Norway ...	J. H. Thomas.
24 $\frac{3}{8}$	4	17	19 $\frac{7}{8}$	4 × 3	...	... ..	F. H. J. Underwood.
24 $\frac{1}{8}$	3 $\frac{3}{4}$ *	19 $\frac{1}{4}$	21 $\frac{5}{8}$	3 × 3	...	Scotland ...	R. H. Helpman.
24	4 $\frac{1}{4}$	...	23	6 × 6	12 13	Do. ...	J. F. Laycock.
23 $\frac{1}{4}$	3 $\frac{1}{2}$	13 $\frac{1}{2}$	17 $\frac{1}{8}$	2 × 3	}	... ..	H. R. H. Duke of Edinburgh.
20 $\frac{1}{4}$	3 $\frac{5}{8}$	extra horn from forehead					

\* *Cervus barbarus*.

**WAPITI** (*Cervus canadensis*).

*Weight*—About 700 lbs.      *Height at Shoulder*—About 16 hands.

*Habitat*—North America.

Length.	Circumference between bez and trez thins.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
62½	8	...	48½	7 × 9	North America	Frank Cooper (American Ex- hibition Catalogue).
62	7¾	33¼	50⅝	7 × 7	Do.	Ernest Farquhar.
61½	7½	...	45	6 × 7	Do.	Do.
60¾	7⅞	...	52	6 × 6	Do.	W. A. Baillie-Grohman (Ameri- can Exhibition Catalogue).



WAPITI (*Cervus canadensis*)—*continued*.

Length.	Circumference between bez and trez tines.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
59 $\frac{3}{4}$	13	...	...	...	North America	Sir Samuel Baker ("Wild Beasts and their Ways").
59 $\frac{1}{2}$	8 $\frac{1}{2}$	37 $\frac{1}{4}$	47	8 x 7	Nebraska ...	Lieut.-Gen. Hankey.
59 $\frac{1}{2}$	7 $\frac{1}{2}$	...	45	6 x 6	North America	H. Seton-Karr (American Ex- hibition Catalogue).
58 $\frac{3}{4}$	7	32 $\frac{3}{4}$	38 $\frac{1}{4}$	6 x 6	Do.	Ernest Farquhar.
58 $\frac{1}{2}$	9	...	46 $\frac{1}{2}$	10 x 7	Do.	Hon. T. A. Brassey.
58 $\frac{1}{2}$	8 $\frac{1}{2}$	(owner's measurement)	43 $\frac{1}{2}$	6 x 6	Do.	J. D. Cobbold.
58 $\frac{1}{8}$	8 $\frac{1}{4}$	39 $\frac{5}{8}$	42 $\frac{3}{4}$	7 x 6	Do.	Ernest Farquhar.
57 $\frac{3}{8}$	7	47	48 $\frac{5}{8}$	6 x 6	Do.	Hon. Charles Ellis.
57 $\frac{1}{4}$	6 $\frac{3}{4}$	30 $\frac{3}{8}$	37 $\frac{3}{4}$	7 x 6	Do.	Ernest Farquhar.
*57	7 $\frac{5}{8}$	49	61	8 x 8	Do.	Sir Edmund G. Loder, Bart.
57	7 $\frac{1}{8}$	35 $\frac{1}{8}$	41 $\frac{1}{8}$	6 x 6	Yellowstone Park.	British Museum.
55 $\frac{5}{8}$	7 $\frac{5}{8}$	43 $\frac{1}{4}$	48 $\frac{1}{8}$	7 x 7	North America	Hon. Charles Ellis.
55 $\frac{1}{2}$	7 $\frac{1}{2}$	...	48 $\frac{3}{4}$	6 x 7	Do.	Otho Shaw (American Exhibition Catalogue).
55 $\frac{1}{2}$	6 $\frac{5}{8}$	33	39	6 x 6	Do.	British Museum.
55 $\frac{1}{2}$	6 $\frac{1}{2}$	44	45 $\frac{1}{2}$	6 x 6	Do.	A. H. Pollen (1891).
55 $\frac{3}{8}$	7 $\frac{1}{8}$	46 $\frac{1}{4}$	...	6 x 7	Do.	St. George Littledale.
55 $\frac{1}{8}$	7 $\frac{1}{4}$	41 $\frac{5}{8}$	...	6 x 6	Do.	Hon. Charles Ellis.
55	8 $\frac{1}{4}$	...	41 $\frac{1}{4}$	6 x 6	Do.	Major Maitland Kirwin (Ameri- can Exhibition Catalogue).
55	7 $\frac{1}{8}$	...	47 $\frac{1}{2}$	6 x 5	Do.	E. N. Buxton (American Exhi- bition Catalogue).
55	8	...	45 $\frac{1}{2}$	7 x 6	Do.	Major Maitland Kirwin (Ameri- can Exhibition Catalogue).
55	8	...	41	7 x 7	Do.	Rowland Ward's Collection.
55	8 $\frac{1}{8}$	...	41 $\frac{1}{4}$	6 x 6	Do.	A. Pendarves Vivian (American Exhibition Catalogue).
55	6 $\frac{1}{2}$	...	...	6 x 6	Do.	Crawford E. Logan.
54 $\frac{3}{4}$	6 $\frac{1}{2}$	29 $\frac{1}{2}$	38 $\frac{7}{8}$	6 x 6	Do.	The late J. S. Jameson.
54 $\frac{1}{2}$	8 $\frac{3}{4}$	...	...	6 x 6	Do.	J. D. Cobbold.
54 $\frac{1}{2}$	...	...	...	14	Do.	P. C. Walker.

\* Weight—42 $\frac{1}{2}$  lbs. With small frontal.

WAPITI (*Cervus canadensis*)—continued.

Length.	Circumference between bez and trez tines.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
54½	7½	...	41½	6 × 6	North America	British Museum (American Exhibition Catalogue).
54½	7	...	42½	8 × 7	Do.	S. C. Alexander.
54¾	6½	38¾	44½	7 × 6	Buffalo Fork...	E. N. Buxton.
54½	8	...	43½	10 × 10	North America	W. A. Tullock (American Exhibition Catalogue).
54½	7½	49½	...	7 × 9	Do.	Hon. Walter Rothschild.
54	7½	...	...	6 × 6	Do.	J. L. Carroll.
54	7½	...	...	6 × 7	Do.	H. Hadden.
54	7½	...	48	7 × 8	Do.	Earl of Rosslyn (American Exhibition Catalogue).
54	7½	...	48	7 × 8	Do.	Moreton Frewen (American Exhibition Catalogue).
54	...	...	...	...	Do.	Capt. F. Cookson.
54	...	...	...	14	Do.	W. S. Power.
54	7	...	40½	...	Do.	British Museum (American Exhibition Catalogue).
53½	7½	24½	36½	8 × 8	Do.	St. George Littledale.
53½	7½	47	49½	8 × 7 (palmated)	Do.	Ford G. Barclay.
53	12½	...	...	...	Do.	Sir Samuel Baker ("Wild Beasts and their Ways").
52¾	8½	...	41	6 × 6	Do.	Frank Cooper (American Ex- hibition Catalogue).
52¾	7½	34½	42¾	7 × 7	Do.	St. George Littledale.
52½	7½	(owner's measurement)	...	12	Do.	W. H. Hammersley.
52½	7½	...	37½	6 × 6	Do.	Sir H. Rae Reid, Bart (Ameri- can Exhibition Catalogue).
52½	6½	...	34¾	7 × 6	Do.	Ford G. Barclay.
52¾	5½	49¾	...	6 × 5	Do.	Col. Ralph Vivian.
52	8½	...	...	6 × 6	Do.	Hon. F. Thellusson.
52	6½	...	...	14	Do.	Do.
52	6	37¾	40	6 × 6	Do.	Capt. F. Cookson.
51¾	6½	29	38¾	6 × 6	Do.	A. H. Pollen.
51¾	6½	39	41½	6 × 6	Del Nord Creek	E. N. Buxton (1884).



WAPITI (*Cervus canadensis*)—continued.

Length.	Circumference between bez and trez times.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
51½	6⅞	...	...	6 × 7	North America	J. L. Carroll.
51	7	...	36¾	9 × 8	Do.	J. G. Millais (American Exhibi- tion Catalogue).
51	...	36	...	12	Do.	W. S. Power.
50⅞	7⅞	42	48¼	7 × 7	Do.	Col. Ralph Vivian.
50½	8	39	42	6 × 6	Do.	S. Lewis.
50½	7½	35	41	6 × 6	Do.	H. S. Somerset.
50½	6	...	...	12	Do.	E. F. Heneage.
50½	...	28	...	13	Do.	W. S. Power.
50¼	6¼	...	43	6 × 6	Do.	Gerald Buxton (American Ex- hibition Catalogue).
50	11	...	...	13	Do.	T. W. H. Clarke.
50	10½	...	54	6 × 6	Do.	Capt. L. Payne.
50	7½	...	47½	6 × 6	Do.	J. M. Hanbury (American Ex- hibition Catalogue).
49⅞	6¾	33⅝	45	6 × 6	Do.	H. R. H. Duke of Edinburgh.
49¾	7	32	35½	7 × 8	Do.	J. Carr-Saunders.
49¾	6⅞	24	30⅝	6 × 6	Do.	Capt. F. Cookson.
49⅝	6⅝	34¾	36⅝	6 × 6	Do.	Hugh G. Barclay.
49½	7⅞	45¼	45¼	7 × 7	Do.	H. R. H. Duc d'Orleans.
49½	6½	25	30½	6 × 6	Do.	A. H. Pollen.
49⅜	7⅞	38⅞	...	10 × 15	Do.	Moreton Frewen.
49⅜	6¼	...	45¼	13	Do.	W. A. Fordham.
49	...	35½	46¼	12	Do.	W. S. Power.
48⅞	7	30⅜	37⅜	6 × 7	California ...	C. Pentland, British Museum.
48½	8⅜	31½	34½	6 × 7	North America	Hon. Charles Ellis.
48½	6	29	33¼	6 × 7	Do.	The late J. S. Jameson.
48	11½	...	...	17	Do.	T. W. H. Clarke.
48	10½	...	...	13	Do.	Do.

WAPITI (*Cervus canadensis*)—*continued*.

Length.	Circumference between bez and trez tines.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
48	8½	...	...	12	North America	Ford G. Barclay.
48	7¾	...	...	8 × 6	Do.	Do.
48	7	...	41	14	Do.	Hon. F. Thellusson.
48	6½	...	44½	12	Montana ...	W. A. Fordham.
47¾	7½	31	32¼	9 × 9	North America	Col. G. A. Percy.
47½	6¼	...	39	7 × 6	Do.	Ford G. Barclay (American Ex- hibition Catalogue).
47¼	8½	49¾	51	8 × 12	Do.	Moreton Frewen.
47½	7¼	40	41	7 × 7	Do.	Sir Victor Brooke's Collection, 1869.
46⅝	7	43	43	9 × 10	North America	Hon. Charles Ellis.
46¼	6½	41½	43	6 × 7	Do.	A. H. Pollen.
46¼	6	39	39¼	6 × 6	Montana ...	R. H. Sawyer.
45¾	7	...	43¼	7 × 7	Do. ...	Thomas Bate (American Exhi- bition Catalogue).
45⅝	7	33½	33¾	11 × 9	Do. ...	Hon. Charles Ellis.
45½	7½	...	26	8 × 6	Wyoming ...	Ford G. Barclay.
44½	6½	27¾	31¾	7 × 7	Do. ...	F. J. Horniman.
44½	6	...	...	7 × 7	Do. ...	Crawford E. Logan.
44	7	...	32½	6 × 7	Do. ...	Lord Stradbroke.
43½	6⅞	...	36¼	5 × 7	North America	British Museum.
43	6¾	...	50¼	12	Montana ...	W. A. Fordham.
43	6½	...	39¼	12	Wyoming ...	Hon. F. Thellusson.
41½	5¼	36⅞	36⅞	6 × 6	Do. ...	Col. G. A. Percy.
40¾	5¾	38½	...	6 × 6	... ..	J. C. L. Knight-Bruce.
35⅝	4½	11⅝	22⅞	6 × 5	North America	British Museum.
35½	4⅞	24½	25⅞	5 × 5	Do.	Do.
31	16½	...	...	...	... ..	Frank Cooper.



**PERSIAN DEER (*Cervus maral*).**

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
48 $\frac{5}{8}$	6 $\frac{1}{8}$	38 $\frac{1}{4}$	40 $\frac{7}{8}$	6 × 5	Altai ... ..	British Museum.
40 $\frac{1}{4}$	5 $\frac{1}{2}$	23 $\frac{3}{4}$	31 $\frac{3}{4}$	5 × 5	... ..	Hume Collection, British Museum.
35 $\frac{1}{8}$	5 $\frac{1}{2}$	19 $\frac{3}{4}$	26	5 × 5	... ..	Do.

**KASHMIR STAG, or BARASINGH (*Cervus cashmerianus*).**

This stag is closely allied to the Red Deer.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
47	6 $\frac{3}{4}$	21 $\frac{3}{4}$	36 $\frac{3}{8}$	5 × 5	... ..	Sir Edmund G. Loder, Bart.
45 $\frac{5}{8}$	6	25 $\frac{3}{4}$	36	8 × 8	Kashmir ...	Sir Victor Brooke's Collection.
45 $\frac{7}{8}$	8	35	41	6 × 6	... ..	Hume Collection, British Museum.
43 $\frac{7}{8}$	5 $\frac{7}{8}$	15 $\frac{7}{8}$	32	5 × 5	... ..	The Hon. Charles Ellis.
43 $\frac{3}{8}$	6 $\frac{1}{2}$	25 $\frac{3}{8}$	36 $\frac{1}{2}$	...	... ..	Do.
43 $\frac{1}{4}$	6 $\frac{1}{2}$	18 $\frac{1}{8}$	34 $\frac{1}{2}$	5 × 5	... ..	Hume Collection, British Museum.
43	5 $\frac{7}{8}$	6 $\frac{1}{4}$	27 $\frac{3}{4}$	5 × 5	Nepal ... ..	Dr. Falconer, British Museum.
43	5 $\frac{7}{8}$	26 $\frac{1}{8}$	37 $\frac{7}{8}$	6 × 5	... ..	Martyn Kennard.
42	5 $\frac{7}{8}$	29 $\frac{3}{8}$	33 $\frac{1}{2}$	6 × 5	... ..	British Museum.
41 $\frac{3}{4}$	6 $\frac{3}{8}$	27 $\frac{1}{4}$	35	6 × 6	... ..	Martyn Kennard.
41 $\frac{3}{8}$	5 $\frac{3}{4}$	23 $\frac{3}{4}$	33	5 × 5	... ..	R. Lydekker, British Museum.
41 $\frac{1}{4}$	5 $\frac{1}{4}$	34	49	6 × 5	... ..	C. H. Seeley.
40 $\frac{3}{4}$	5 $\frac{3}{4}$	15 $\frac{3}{8}$	31 $\frac{1}{4}$	5 × 5	... ..	Rowland Ward's Collection.
39 $\frac{5}{8}$	5 $\frac{3}{8}$	20	26 $\frac{1}{8}$	5 × 5	... ..	British Museum.
39	5 $\frac{1}{8}$	17 $\frac{1}{2}$	29 $\frac{1}{2}$	6 × 5	Kashmir ...	Sir Victor Brooke's Collection, 1869.

**KASHMIR STAG, or BARASINGH (*Cervus cashmerianus*)—***continued.*

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
38 $\frac{3}{4}$	6 $\frac{1}{4}$	26	30 $\frac{3}{4}$	6 × 6	... ..	Hume Collection, British Museum.
37 $\frac{7}{8}$	5 $\frac{3}{4}$	19 $\frac{1}{4}$	28 $\frac{3}{4}$	8 × 7	... ..	The Hon. Charles Ellis.
36 $\frac{1}{2}$	5 $\frac{5}{8}$	21 $\frac{1}{2}$	25 $\frac{3}{8}$	7 × 5	... ..	British Museum.
36 $\frac{3}{8}$	4 $\frac{3}{4}$	17 $\frac{3}{4}$	22 $\frac{1}{4}$	6 × 6	... ..	Do.
35 $\frac{1}{8}$	5 $\frac{1}{4}$	23 $\frac{3}{8}$	30 $\frac{1}{2}$	5 × 5	... ..	Dr. Falconer, British Museum.
33	4 $\frac{1}{2}$	9 $\frac{3}{4}$	...	9	... ..	Capt. Goulburn.

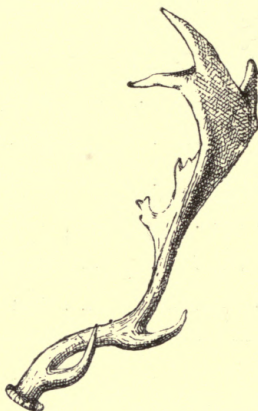
**SHOU, or SIKKIM STAG (*Cervus affinis*).**

THIS is one of the largest deer in Southern Asia, standing sometimes 15 hands, and closely approaches the American Wapiti in the measurements of the horns.

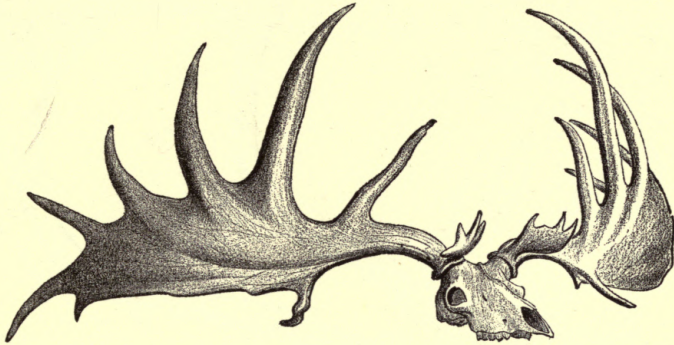
*Habitat*—Eastern Tibet.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
55 $\frac{3}{4}$	6 $\frac{1}{2}$	17 $\frac{1}{4}$	40 $\frac{3}{8}$	7 × 6	... ..	A. O. Hume, Private Collection.
55	8 $\frac{1}{2}$ × 9 $\frac{1}{8}$	(owner's measurement)	...	6 × 7	... ..	Lord Northbrooke.
54 $\frac{3}{8}$	6 $\frac{5}{8}$	21 $\frac{3}{8}$	37 $\frac{1}{4}$	5 × 5	India ...	Dr. Campbell, British Museum.
53 $\frac{3}{4}$	6 $\frac{7}{8}$	26 $\frac{1}{8}$	44	5 × 5	Nepal ...	B. H. Hodgson, British Museum.
53 $\frac{1}{4}$	6 $\frac{7}{8}$	30	45 $\frac{3}{4}$	4 × 5	... ..	Hume Collection, British Museum.
53	9	(owner's measurement)	40	5 × 5	Darjeeling	Col. Tanner.
52	8	(shed horns)	...	...	... ..	Rowland Ward's Collection.
48 $\frac{7}{8}$	6 $\frac{1}{2}$	19 $\frac{3}{8}$	38 $\frac{1}{8}$	5 × 7	... ..	Sir Edmund G. Loder, Bart.
48	6 $\frac{1}{8}$	29 $\frac{1}{2}$	41 $\frac{1}{2}$	6 × 6	... ..	Hume Collection, British Museum.
47 $\frac{7}{8}$	5 $\frac{5}{8}$	30 $\frac{3}{8}$	40 $\frac{1}{2}$	5 × 5	North India	British Museum.
43 $\frac{3}{4}$	5 $\frac{7}{8}$	20 $\frac{1}{8}$	35	6 × 5	... ..	A. O. Hume, Private Collection.
42 $\frac{3}{4}$	5 $\frac{5}{8}$	23 $\frac{3}{8}$	31 $\frac{1}{4}$	5 × 5	Nepal ...	British Museum.
40 $\frac{1}{2}$	5	39 $\frac{1}{4}$	41	5 × 5	North India	B. H. Hodgson, British Museum.



**FALLOW DEER** (*Cervus dama*).*Habitat*—Europe.

Length.	Circumference.	Tip to Tip.	Spread inside.	Points.	Width of Palm.	Habitat.	Owner.
21 $\frac{3}{8}$	4 $\frac{3}{8}$	...	...	11 × 10	5	Colebrooke Woods (Ireland).	Sir Victor Brooke's Collection.
28 $\frac{3}{8}$	4 $\frac{1}{8}$	...	26	10 × 8	6	Do.	Do.
27 $\frac{3}{8}$	3 $\frac{7}{8}$	20 $\frac{1}{4}$	22 $\frac{1}{2}$	10 × 9	5 $\frac{1}{8}$	Do.	Do.
27 $\frac{1}{4}$	4	23	...	10 × 8	...	...	J. Carr-Saunders.
26 $\frac{7}{8}$	3 $\frac{3}{4}$	12	17 $\frac{1}{2}$	7 × 10	...	...	British Museum.
26 $\frac{5}{8}$	4	24 $\frac{1}{8}$	...	8 × 12	5	Ireland ...	Sir Victor Brooke's Collection.
25 $\frac{1}{2}$	...	...	26	...	5 $\frac{1}{4}$	England ...	Rowland Ward's Collection.
25 $\frac{3}{8}$	4 $\frac{1}{4}$	26	...	8 × 8	5 $\frac{1}{8}$	Ireland ...	Sir Victor Brooke's Collection.
24 $\frac{1}{2}$	3 $\frac{5}{8}$	16	19 $\frac{7}{8}$	11 × 11	...	...	British Museum.
19 $\frac{1}{4}$	2 $\frac{7}{8}$	16 $\frac{1}{4}$	17 $\frac{1}{2}$	7 × 5	...	...	Do.



IRISH ELK (*Cervus giganteus*).

(*Extinct.*)

Spread Tip to Tip.	Length round in- side of horn.	Circum- ference above burr.	Width of Palm.	Points.	Owner.
ft. in. 10 2	ft. in. 5 8½	9 7/8	19 1/4	19	British Museum.
9 8	...	...	...	...	Rowland Ward's Collection.
9 5	...	...	27	13 × 15	Sir Edmund G. Loder, Bart.
9 2	13 6 (of both horns)	...	15 1/2	(owner's measurement)	Mrs. Graham Lloyd.
8 11 3/4	6 1 3/8	8 3/4	17 3/4	10 × 13	Hon. Charles Ellis.
8 10	12 10 (of both horns)	...	13 1/2	(owner's measurement)	Mrs. Graham Lloyd.
7 6	5 3 1/2	8 5/8	...	10 × 11	Sir Victor Brooke's Collection.





**REINDEER, or CARIBOU** (*Rangifer tarandus*).

*Weight of a full-grown Reindeer after gralloching*—From 250 lbs.  
to 350 lbs.

*Habitat*—Europe, Asia, and America.

Length.	Circum- ference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
60	5 $\frac{5}{8}$	38 $\frac{3}{8}$	41 $\frac{1}{8}$	15 × 22	... ..	Sir Victor Brooke's Collection.
57 $\frac{3}{8}$	5 $\frac{1}{4}$	13 $\frac{3}{8}$	...	13 × 7	Arctic Regions ...	British Museum.
57 $\frac{1}{2}$	5	35 $\frac{1}{4}$	...	8 × 10	... ..	Do.
54 $\frac{3}{8}$	4 $\frac{7}{8}$	20 $\frac{1}{4}$	...	11 × 13	North America ...	Capt. Sir J. Franklin, British Museum.
51 $\frac{3}{8}$	4 $\frac{7}{8}$	40 $\frac{7}{8}$	48 $\frac{3}{8}$	17 × 14	... ..	Sir Edmund G. Loder, Bart.
50 $\frac{3}{8}$	4 $\frac{7}{8}$	24	29 (outside)	13 × 16	... ..	H. R. H. Duke of Edinburgh.
49	4 $\frac{1}{8}$	24 $\frac{5}{8}$	32 $\frac{3}{8}$	7 × 9	... ..	Hon. Walter Rothschild.
48	6 $\frac{1}{2}$	11 $\frac{7}{8}$	25 $\frac{1}{2}$	15 × 17	... ..	Sir Edmund G. Loder, Bart.

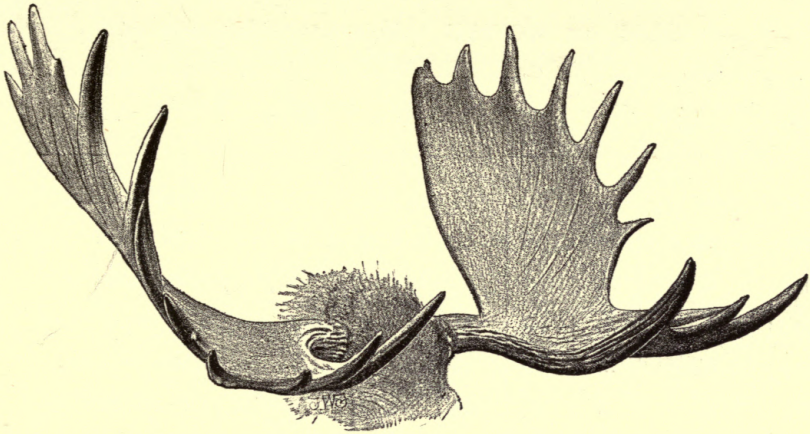
REINDEER, or CARIBOU (*Rangifer tarandus*)—continued.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
47 $\frac{3}{8}$	5 $\frac{1}{8}$	32 $\frac{1}{8}$	...	12 × 19	North America ...	A. Murray, British Museum.
47	5 $\frac{1}{2}$	...	34 $\frac{1}{2}$	...	... ..	E. D. Gosling.
46 $\frac{1}{4}$	5 $\frac{3}{8}$	29 $\frac{3}{8}$	...	15 × 15	... ..	British Museum.
46	4 $\frac{1}{2}$	...	34	...	... ..	Hon. A. Broderick.
45 $\frac{7}{8}$	6	10	...	20 × 27	... ..	British Museum.
45 $\frac{1}{2}$	5 $\frac{3}{8}$	34 $\frac{3}{8}$	...	23 × 16	... ..	Do.
43 $\frac{3}{4}$	5 $\frac{3}{8}$	40	41 $\frac{7}{8}$	16 × 11	Newfoundland ...	St. George Littledale, 1876.
42 $\frac{1}{2}$	7 $\frac{1}{4}$ (Brow antler 17 $\frac{1}{2}$ in. long, 6 in. wide)	33 $\frac{1}{4}$	38 $\frac{1}{2}$	(Owner's measure- ment)	... ..	R. Gordon Smith.
42	6 $\frac{1}{2}$	...	18 $\frac{1}{2}$	33	Alaska ...	Earl of Lonsdale.
41 $\frac{1}{4}$	4 $\frac{1}{8}$	...	28 $\frac{3}{8}$	8 × 6	... ..	Col. G. A. Percy.
41 $\frac{1}{8}$	4 $\frac{3}{4}$	...	24 $\frac{1}{2}$	12 × 9	... ..	W. D. James.
41	...	...	...	...	Alaska ...	Earl of Lonsdale.
40 $\frac{3}{4}$	4 $\frac{1}{2}$	20 $\frac{1}{2}$	28 $\frac{1}{4}$	17 × 14	... ..	J. Carr Saunders.
40	6 $\frac{3}{8}$	20 $\frac{3}{4}$	(In velvet)	13 × 14	Hudson Bay ...	British Museum.
39 $\frac{1}{8}$	4	16	...	13 × 13	North America ...	Do.
39	5 $\frac{5}{8}$	...	23 $\frac{1}{4}$	14 × 17	... ..	Sir Victor Brooke's Collection.
38 $\frac{3}{4}$	4 $\frac{7}{8}$	15 $\frac{3}{8}$	19 $\frac{3}{4}$	10 × 4	... ..	J. Carr Saunders.
38 $\frac{3}{4}$	4	25 $\frac{1}{4}$	...	7 × 5	Norway... ..	C. Ingram, British Museum.
38 $\frac{3}{8}$	5 $\frac{3}{8}$	21 $\frac{3}{4}$	30 $\frac{1}{8}$	16 × 16	... ..	Sir James Anderson.
38	5 $\frac{1}{2}$	21 $\frac{1}{2}$	...	15 × 13	Norway... ..	W. H. Ingram, British Museum.
37 $\frac{7}{8}$	4 $\frac{7}{8}$	31 $\frac{3}{4}$	...	14 × 17	... ..	British Museum.
37 $\frac{3}{4}$	4 $\frac{7}{8}$	21 $\frac{3}{8}$	...	12 × 10	... ..	Do.
37 $\frac{5}{8}$	5 $\frac{1}{4}$	18 $\frac{1}{4}$	25 $\frac{1}{4}$	18 × 12	... ..	F. J. Horniman.
37 $\frac{1}{2}$	5 $\frac{1}{2}$	...	29	...	... ..	Otho Shaw (American Exhibi- tion Catalogue).
37 $\frac{1}{4}$	5 $\frac{5}{8}$	...	24	27	... ..	Lieut. Wm. Tait.
36 $\frac{3}{4}$	3 $\frac{3}{4}$	13 $\frac{1}{4}$	...	7 × 9	North America ...	Capt. Sir J. Franklin, British Museum.
36 $\frac{1}{4}$	5 $\frac{7}{8}$	24 $\frac{3}{8}$	...	14 × 15	... ..	British Museum.



**REINDEER, or CARIBOU (*Rangifer tarandus*)—continued.**

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
36	6 $\frac{3}{8}$	17	...	19 × 13	Nova Scotia ...	J. Florence, British Museum.
36	4 $\frac{1}{2}$	...	30	...	... ..	Otho Shaw (American Exhibition Catalogue).
34 $\frac{7}{8}$	5 $\frac{5}{8}$	23	...	18 × 16	Arctic Regions ...	British Museum.
34 $\frac{3}{4}$	4	12 $\frac{3}{4}$	...	17 × 11	... ..	Do.
34 $\frac{1}{2}$	5	21 $\frac{1}{2}$	...	18 × 15	North America ...	A. Murray, British Museum.
34 $\frac{1}{2}$	4 $\frac{3}{8}$	12 $\frac{3}{8}$	19 $\frac{1}{2}$	10 × 13	Do. ...	Capt. F. Cookson.
32 $\frac{3}{4}$	3 $\frac{1}{4}$	31 $\frac{5}{8}$	...	3 × 14	Northern Europe .	British Museum.
32	3 $\frac{1}{8}$	18 $\frac{1}{4}$	...	7 × 8	North America ...	Do.
31 $\frac{3}{8}$	4 $\frac{3}{4}$	...	23 $\frac{1}{2}$	11 × 10	... ..	F. J. Horniman.
30 $\frac{1}{4}$	4 $\frac{1}{4}$	19	23 $\frac{1}{2}$	7 × 9	Newfoundland ...	St. George Littledale, 1876.
29 $\frac{1}{4}$	3 $\frac{3}{8}$	20 $\frac{3}{8}$	...	7 × 10	... ..	E. N. Buxton, 1867.
28 $\frac{1}{2}$	3 $\frac{3}{8}$	27	...	6 × 10	North America ...	Capt. Sir J. Franklin, British Museum.
28 $\frac{1}{4}$	4 $\frac{3}{8}$	13 $\frac{1}{8}$	21 $\frac{3}{4}$	12 × 11	Do. ...	Capt. F. Cookson.
24 $\frac{1}{4}$	3	12 $\frac{1}{2}$	...	4 × 4	Hudson Bay ...	British Museum.
23 $\frac{1}{4}$	3 $\frac{3}{8}$	14 $\frac{5}{8}$	...	11 × 11	... ..	Do.
21 $\frac{1}{4}$	2 $\frac{1}{2}$	12 $\frac{5}{8}$	...	11 × 14	North America ...	Capt. Sir J. Franklin, British Museum.
19 $\frac{1}{4}$	3 $\frac{1}{8}$	22 $\frac{1}{8}$	...	5 × 5	... ..	British Museum.

**ELK, or MOOSE (*Alces machlis*).***Weight*—About 900 lbs.*Habitat*—Northern Europe and North America.

Length to longest tine.	Circumference above burr.	Tip to Tip.	Greatest width.	Breadth of Palm.	Points.	Habitat.	Owner.
39 $\frac{7}{8}$	6 $\frac{1}{2}$	...	51 $\frac{3}{8}$	15 $\frac{3}{4}$	12 × 13	... ..	British Museum.
39 $\frac{1}{2}$	8 $\frac{1}{2}$	...	39 $\frac{1}{2}$	13 $\frac{3}{4}$	...	N. America	Otho Shaw (American Exhibition Catalogue).
39 $\frac{1}{4}$	7 $\frac{5}{8}$	33 $\frac{1}{2}$	49 $\frac{1}{8}$	11 $\frac{1}{2}$	10 × 12	Do.	J. Carr-Saunders.
39 $\frac{1}{8}$	7 $\frac{5}{8}$	36 $\frac{1}{4}$	51 $\frac{3}{4}$	9 $\frac{1}{2}$	7 × 8	Do.	J. C. L. Knight Bruce.
39	8 $\frac{1}{4}$	38 $\frac{1}{2}$	57	12 $\frac{1}{2}$	15 × 12	Do.	Sir Edmund G. Loder, Bart.
38 $\frac{1}{2}$	7	...	52 $\frac{7}{8}$	10 $\frac{7}{8}$	10 × 11	... ..	British Museum.
38 $\frac{1}{4}$	6 $\frac{1}{8}$	34	49 $\frac{1}{2}$	9 $\frac{3}{4}$	9 × 9	N. America	Sir Victor Brooke's Collection.
38	6 $\frac{1}{2}$	...	59 $\frac{1}{4}$	9 $\frac{3}{4}$	11 × 11	... ..	H. R. H. Duke of Edinburgh.
37 $\frac{3}{4}$	8	...	51 $\frac{1}{2}$	11 $\frac{1}{4}$	14 × 13	N. America	F. Ashby.
37 $\frac{1}{2}$	...	...	49 $\frac{1}{2}$	20	...	Do.	Rowland Ward's Collection.
37 $\frac{1}{4}$	7 $\frac{1}{8}$	35	50 $\frac{5}{8}$	11 $\frac{5}{8}$	13 × 10	... ..	Hon. Charles Ellis.
37 $\frac{1}{4}$	6 $\frac{7}{8}$	...	43 $\frac{3}{4}$	8 $\frac{3}{4}$	11 × 9	... ..	British Museum.
36 $\frac{3}{4}$	6 $\frac{7}{8}$	...	47 $\frac{7}{8}$	10 $\frac{1}{2}$	8 × 8	... ..	Do.
36 $\frac{5}{8}$	6 $\frac{3}{4}$	...	46 $\frac{7}{8}$	11	12 × 10	... ..	Do.



ELK, or MOOSE (*Alces machlis*)—*continued*.

Length to longest time.	Circumference above burr.	Tip to Tip.	Greatest width.	Breadth of Palm.	Points.	Habitat.	Owner.
34½	6½	...	51½	9¾	11 × 12	... ..	British Museum.
34¼	6½	42	51½	9½	10 × 9	... ..	G. Marchetti.
34¼	6¾	...	47½	9¾	13 × 11	... ..	British Museum.
32	6¾	...	43¾	9½	7 × 8	Russia ...	Sir Edward Caley, British Museum.
31¾	6½	...	38¾	7¾	6 × 5	... ..	British Museum.
31½	...	...	51½	12½	...	N. America	Earl of Lonsdale.
31	6½	...	42½	8½	10 × 9	... ..	F. J. Horniman.
30½	(owner's measurement)	40	44	8¾	17	Norway ...	Thomas Bate.
30½	7½	29½	44¼	10	8 × 9	... ..	Sir Victor Brooke's Collection.
29¾	6	...	40½	8½	8 × 8	... ..	British Museum.
29½	6½	...	45	9¾	10 × 9	... ..	F. J. Horniman.
29¼	7	...	40	5½	6 × 5	... ..	British Museum.
29	7½	...	43½	10½	24	Norway ...	P. C. Walker.
28¾	7¾	35	49¾	12½	11 × 11	... ..	Hon. Charles Ellis.
28½	6¾ (owner's measurement)	31½	40½	9¾	11 × 11	Norway ...	Thomas Bate.
28	7½ (owner's measurement)	34½	42½	...	16	Do. ...	Do.
27¾	5¾	30	40¾	7¾	8 × 7	N. America	Capt. F. Cookson.
27½	...	...	49½	10½	...	Do.	Earl of Lonsdale.
27¾	6½	24¾	37¾	7	6 × 6	Do.	J. C. L. Knight Bruce.
26¾	6½ (single horn)	...	...	7½	...	... ..	British Museum.
26½	6½	...	45½	3¾	5 × 5	... ..	Do.
26½	6½	...	39¾	6¾	5 × 4	S. Russia...	Do.
25	6	...	44½	...	22	Norway ...	Major Sulivan.
23½	5¾	...	35¾	5¾	5 × 3	Tydal ...	E. N. Buxton, 1886.
23	...	...	28½	8	...	Norway ...	H. C. Hambro.
19¾	5½	...	37¾	7	6 × 7	... ..	E. N. Buxton.
16	...	...	29	5	...	Norway ...	H. C. Hambro.

**ROE DEER** (*Capreolus caprea*).*Habitat*—Europe and Western Asia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
9 $\frac{7}{8}$	3 $\frac{3}{4}$	5 $\frac{3}{4}$	Kirdels Wood, Ireland	Sir Victor Brooke's Collection, 1880.
9 $\frac{7}{8}$	5	5	Dorsetshire ... ..	J. E. Harting.
9 $\frac{1}{2}$	3 $\frac{1}{4}$	3 $\frac{1}{8}$	Kirdels Wood, Ireland	Sir Victor Brooke's Collection, 1880.
9 $\frac{1}{4}$	3	7 $\frac{3}{8}$	Easter Elchies ... ..	Do. 1875.
9	4	4 $\frac{1}{2}$	... ..	Rowland Ward's Collection.
8 $\frac{1}{2}$	3 (malformed)	5 $\frac{7}{8}$	Nairnshire ... ..	Earl Cawdor, British Museum.
8 $\frac{1}{2}$	3	4 $\frac{1}{2}$	France ... ..	British Museum.
8 $\frac{1}{2}$	3 $\frac{1}{4}$	4 $\frac{1}{8}$	Westphalia ... ..	Do.
8	4	3 $\frac{3}{4}$	Inverness ... ..	Sir Victor Brooke's Collection.
6 $\frac{7}{8}$	3	6	Dorset ... ..	J. Fraser.
4 $\frac{1}{4}$	2 $\frac{1}{4}$ (velvet)	4 $\frac{1}{2}$	Astrabad ... ..	Col. Beresford Lovett, Brit. Museum.

**SIBERIAN ROE DEER** (*Capreolus pygargus*).*Habitat*—Siberia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{3}{4}$	3	6	Asia ... ..	British Museum.
13 $\frac{1}{4}$	4	8 $\frac{7}{8}$	South Manchuria ...	H. E. M. James, British Museum.
11 $\frac{3}{8}$	4	8 $\frac{1}{8}$	China ... ..	British Museum.
8 $\frac{7}{8}$	3 $\frac{3}{8}$	7 $\frac{5}{8}$	Siberia ... ..	Do.

**LONG-TAILED DEER** (*Cariacus leucurus*).

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
25 $\frac{1}{4}$	4 $\frac{3}{4}$	12 $\frac{7}{8}$	17 $\frac{7}{8}$	11 × 9	... ..	British Museum.
23 $\frac{1}{2}$	4 $\frac{1}{4}$	2 $\frac{5}{8}$	13	8 × 9	... ..	Do.
20 $\frac{1}{8}$	3 $\frac{3}{4}$	10	14 $\frac{1}{2}$	11 × 7	... ..	Do.
16 $\frac{7}{8}$	3 $\frac{1}{8}$	9 $\frac{3}{8}$	13 $\frac{5}{8}$	4 × 3	... ..	Do.





VIRGINIAN or WHITE-TAILED DEER  
(*Cariacus virginianus*).

VIRGINIAN or WHITE-TAILED DEER (*Cariacus virginianus*).

*Weight*—About 180 lbs.

*Habitat*—North America from the Atlantic to the Pacific, extending into British Columbia in the North and Mexico in the South.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
27 $\frac{5}{8}$	5 $\frac{3}{8}$	(single horn)	...	16	North America	British Museum.
27 $\frac{1}{8}$	4 $\frac{3}{8}$	14 $\frac{1}{4}$	19	6 × 6	Do.	Do.
25 $\frac{3}{4}$	4 $\frac{1}{2}$	9	19	11	Do.	H. S. Wellcome.
25 $\frac{3}{8}$	4 $\frac{5}{8}$	10 $\frac{3}{8}$	19	13 × 15	Texas ...	Capt. F. Cookson. (See Illustration.)
24 $\frac{7}{8}$	5	(single horn)	...	19	North America	British Museum.
24 $\frac{1}{2}$	4 $\frac{1}{2}$	12 $\frac{3}{8}$	18 $\frac{1}{2}$	6 × 6	Do.	J. Carr-Saunders.
24 $\frac{1}{2}$	4 $\frac{1}{8}$	11 $\frac{1}{8}$	19 $\frac{1}{2}$	6 × 6	Do.	British Museum.
24	4 $\frac{1}{2}$	14 $\frac{1}{2}$	19 $\frac{7}{8}$	10 × 6	... ..	Do.
22 $\frac{3}{4}$	5 $\frac{5}{8}$	8 $\frac{1}{2}$	16 $\frac{7}{8}$	16 × 19	North America	Do.
21 $\frac{1}{2}$	3 $\frac{3}{4}$	7 $\frac{1}{4}$	16 $\frac{3}{8}$	7 × 5	Wisconsin ...	Do.
21	3 $\frac{7}{8}$	7 $\frac{1}{2}$	14 $\frac{1}{2}$	4 × 4	North America	Do.
20 $\frac{5}{8}$	3 $\frac{7}{8}$	4 $\frac{3}{4}$	14 $\frac{3}{8}$	4 × 5	Do.	Do.
20 $\frac{1}{2}$	4 $\frac{1}{8}$	9 $\frac{5}{8}$	15 $\frac{3}{4}$	5 × 6	Do.	Do.
19 $\frac{3}{4}$	4 $\frac{1}{8}$	7 $\frac{5}{8}$	17 $\frac{3}{8}$	...	Do.	F. J. Horniman.
19 $\frac{1}{2}$	4	...	19 $\frac{3}{4}$	12	Do.	H. S. Wellcome.
18 $\frac{7}{8}$	3 $\frac{1}{2}$	8 $\frac{1}{8}$	14 $\frac{1}{2}$	6 × 5	Do.	Sir Victor Brooke's Collection.
17 $\frac{3}{4}$ (about)	4 $\frac{3}{4}$	...	...	27 × 25	Do.	Moreton Frewen.
16 $\frac{3}{4}$	4 $\frac{1}{4}$	3 $\frac{3}{4}$	12 $\frac{5}{8}$	5 × 4	Do.	British Museum.
15 $\frac{1}{2}$	3 $\frac{5}{8}$	4	11 $\frac{3}{8}$	5 × 6	Do.	Do.
13 $\frac{1}{4}$	5	3 $\frac{3}{8}$	6 $\frac{3}{4}$	5 × 6	Do.	Capt. Townley Parker.



## MEXICAN DEER

(Cariacus mexicanus; Cervus paludosus; Blastoceros paludosus).

[Sir VICTOR BROOKE, P.Z.S. 1878, p. 920.]

## DIMENSIONS OF CARIACUS MEXICANUS.

English inches.

Height at shoulder	...	...	...	...	...	27'5
Length of ears	...	...	...	...	...	4'3
Do. tail exclusive of hair	...	...	...	...	...	5'5
Total length of skull in a straight line	...	...	...	...	...	9'0
Length from ant. rim of orbit to free extremity of præ maxillæ	...	...	...	...	...	4'5
Length of molar and premolar series (upper)	...	...	...	...	...	2'7
Do. antlers	...	...	...	...	...	7'5
Greatest span	...	...	...	...	...	8'2

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
*23 $\frac{3}{8}$	5 $\frac{1}{8}$	15 $\frac{3}{4}$	16 $\frac{1}{4}$	4 × 5	South America	British Museum.
23 $\frac{1}{4}$	6	...	19 $\frac{1}{2}$	12	Do.	G. R. Stuart.
†22 $\frac{5}{8}$	6 $\frac{1}{4}$	20	20 $\frac{1}{2}$	5 × 5	Brazil ...	Sir Victor Brooke's Collection.
*21 $\frac{1}{4}$	7 $\frac{1}{8}$	9 $\frac{5}{8}$	16	4 × 3	South America	British Museum.
*18 $\frac{3}{8}$	5 $\frac{1}{2}$	20 $\frac{5}{8}$	...	4 × 5	Do.	Do.
17 $\frac{1}{2}$	4 $\frac{1}{4}$	...	11	10	Do.	Hon. Walter Rothschild.
13 $\frac{5}{8}$	3 $\frac{3}{8}$	6 $\frac{7}{8}$	11 $\frac{3}{4}$	3 × 3	Mexico ...	British Museum.
*13 $\frac{1}{2}$	4 $\frac{3}{4}$	15	...	4 × 4	South America	Do.
8 $\frac{1}{4}$	2 $\frac{1}{8}$	4 $\frac{3}{4}$	6 $\frac{5}{8}$	3 × 4	Mexico ...	Sir Victor Brooke's Collection.

\* Blastoceros paludosus.

† Cervus paludosus.

# BLACK-TAILED DEER.

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## BLACK-TAILED DEER (*Cervus columbianus*).

*Weight*—About 200 lbs.

*Habitat*—California, Oregon, Washington, and along the Pacific Coast.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
28 $\frac{5}{8}$	4 $\frac{1}{2}$	13 $\frac{1}{4}$	17 $\frac{3}{4}$	5 × 5	... ..	F. G. Barclay.
27	5 $\frac{1}{4}$	19 $\frac{1}{2}$	21 $\frac{5}{8}$	6 × 5	North America	Sir Edmund G. Loder, Bart.
26 $\frac{1}{8}$	4 $\frac{1}{8}$	15 $\frac{7}{8}$	22 $\frac{7}{8}$	6 × 6	Wyoming ...	Capt. F. Cookson.
26	5 $\frac{1}{4}$	...	26	10 × 10	... ..	Wm. Marr.
26	...	...	18	7	... ..	W. S. Power.
25 $\frac{1}{2}$	5 $\frac{1}{2}$	...	21 $\frac{1}{2}$	8	... ..	P. C. Walker.
25 $\frac{3}{8}$	4 $\frac{1}{8}$	19	20	5 × 5	... ..	C. H. Pollen.
25 $\frac{1}{4}$	...	...	18	10	... ..	W. S. Power.
25	4 $\frac{1}{2}$	...	23	10	... ..	C. P. S. Porter.
24 $\frac{1}{2}$	5 $\frac{1}{2}$	...	25	10	... ..	T. W. H. Clarke.
24 $\frac{1}{2}$	5	...	19	10	... ..	W. G. Rathbone.
24 $\frac{1}{2}$	5	...	18	12	... ..	Capt. F. Cookson.
24 $\frac{1}{2}$	5 $\frac{1}{4}$	...	23 $\frac{1}{2}$	10	... ..	H. S. Wellcome.
24 $\frac{1}{8}$	4 $\frac{1}{4}$	21 $\frac{3}{8}$	23 $\frac{1}{2}$	5 × 5	... ..	J. Carr-Saunders.
24	5 $\frac{1}{2}$	...	...	8 × 5	... ..	F. G. Barclay.
23 $\frac{1}{2}$	...	...	15 $\frac{1}{2}$	11	... ..	W. S. Power.
22 $\frac{3}{4}$	3 $\frac{7}{8}$	15	19 $\frac{3}{4}$	5 × 4	... ..	J. Carr-Saunders.
22 $\frac{1}{4}$	4	16 $\frac{1}{8}$	19 $\frac{3}{4}$	5 × 5	... ..	Col. J. A. Percy.
22	5	...	...	9 × 7	... ..	F. G. Barclay.
21 $\frac{1}{2}$	3 $\frac{3}{4}$	6 $\frac{1}{4}$	...	7 × 7	... ..	British Museum.
19 $\frac{1}{4}$	4 $\frac{1}{4}$	14	16 $\frac{1}{2}$	3 × 3	Moutery, California.	Sir Victor Brooke's Collection.
18 $\frac{1}{4}$	3 $\frac{3}{4}$	13 $\frac{1}{4}$	...	3 × 3	... ..	British Museum.



**PAMPAS DEER** (*Cariacus campestris*).*Habitat*—South America.

Length.	Circumference.	Tip to Tip.	Points.	Habitat.	Owner.
14 $\frac{5}{8}$	2 $\frac{5}{8}$	13 $\frac{1}{4}$	3 × 3	La Plata ...	British Museum.
12 $\frac{1}{2}$	2 $\frac{1}{8}$	8 $\frac{1}{2}$	3 × 3	... ..	Sir Victor Brooke's Collection.
11 $\frac{3}{4}$	2 $\frac{3}{4}$	14 $\frac{1}{4}$	3 × 3	... ..	Do.
11 $\frac{1}{8}$	3 $\frac{7}{8}$	13 $\frac{1}{4}$	3 × 3	... ..	Charles Darwin, British Museum.
10 $\frac{3}{8}$	2 $\frac{1}{2}$	13 $\frac{1}{8}$	3 × 3	North Patagonia	British Museum.

**PERUVIAN ROE DEER** (*Cariacus (furcifer) antisiensis*).

[Dr. J. E. GRAY, F.R.S., P.Z.S. 1869, p. 498.]

THE horns divide from the base into two branches; the front one is erect, conical, and acute, with a short conical branch on the outer side, and in the middle one or two more or less elongate, basal anterior or interior snags. The hinder part of the base and sheath compressed, diverging horizontally into a strong, angular, tapering branch, which is nearly as long as the erect one, with several irregularly placed, more or less elongate, acute processes; the upper part, near the roots, with one or two cylindrical diverging branches on its upper and lower sides. Like the small branches on the erect part of the horn, they are not exactly similar on the two horns.

The metatarsus is without any glandular tuft on the outside. On the inner side of the hock is a large rounded tuft of such hairs. The fur consists of thick, elastic, tubular quills. The skull has a well-marked, deep, triangular pit in the front of the orbit. The female is without horns. This animal may be called *Xenelaphus huamel*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
9 $\frac{1}{2}$	7 $\frac{5}{8}$	4 $\frac{5}{8}$	Tinta, South Peru ... ..	H. Whitely, British Museum.
9 $\frac{3}{8}$	2 $\frac{1}{2}$	8 $\frac{1}{8}$	Ceuchepate, Peru (11,000 ft.)	Do.

**MULE DEER** (*Cariacus macrotis*).

THIS variety has much larger ears than the White-tailed or Black-tailed Deer, and owing to its having the tip of the tail black, is often called Black-tail.

*Habitat*—Includes Oregon, Nebraska, Dakota, West of Missouri, Colorado, and Kansas.

Length.	Circumference.	Tip to Tip.	Widest inside.	Points.	Habitat.	Owner.
30	5 $\frac{3}{4}$	...	41	17	White River, Colorado, N. America.	H. A. James.
28 $\frac{1}{2}$	...	...	24 $\frac{1}{2}$	...	Do.	Major Maitland Kirwin. (American Exhibition Catalogue.)
27 $\frac{1}{2}$	...	...	26 $\frac{1}{2}$	...	Do.	Do.
26 $\frac{3}{4}$	...	...	...	26	Do.	W. A. Baillie Grohman. (American Exhibition Catalogue.)
26 $\frac{3}{4}$	4 $\frac{3}{4}$	19 $\frac{5}{8}$	20 $\frac{1}{8}$	5 × 5	Do.	Ernest Farquhar.
26 $\frac{1}{2}$	5 $\frac{3}{4}$	...	17 $\frac{1}{2}$	12	Do.	Hon. F. Thellusson.
26 $\frac{1}{2}$	5 $\frac{1}{4}$	...	19	11	Do.	Do.
25	5 $\frac{1}{4}$	27 $\frac{3}{8}$	27 $\frac{3}{8}$	16 × 13	Do.	Moreton Frewen.
24 $\frac{1}{2}$	5 $\frac{1}{2}$	...	21	21	Do.	Ford G. Barclay.
24 $\frac{1}{2}$	5	...	38 $\frac{1}{2}$ (outside points)	33	Do.	Hon. F. Thellusson.
24	5 $\frac{1}{4}$	...	20 $\frac{1}{4}$	10	Do.	William Fox.
24	4 $\frac{1}{2}$	11 $\frac{3}{4}$	18 $\frac{1}{8}$	12 × 11	Do.	E. N. Buxton.
23 $\frac{1}{4}$	...	...	31	5 × 5	Do.	Noble Jenkins.
23	6	...	12 $\frac{1}{2}$	13	Do.	Ford G. Barclay.
22 $\frac{3}{8}$	4 $\frac{3}{8}$	14 $\frac{7}{8}$	17 $\frac{1}{2}$	5 × 4	Yellowstone River	British Museum.
22 $\frac{3}{8}$	4	10 $\frac{5}{8}$	18 $\frac{1}{4}$	6 × 6	Do.	Do.
22 $\frac{1}{4}$	3 $\frac{3}{4}$	16 $\frac{5}{8}$	18 $\frac{1}{4}$	5 × 5	North America ...	Sir Victor Brooke's Collection.
22 $\frac{1}{8}$	4	12 $\frac{1}{2}$	16 $\frac{3}{8}$	4 × 4	Yellowstone River	British Museum.
21 $\frac{5}{8}$	4 $\frac{3}{4}$	17 $\frac{1}{2}$	19 $\frac{1}{4}$	5 × 4	Kansas ...	Sir Victor Brooke's Collection, 1872.
21	6 $\frac{3}{4}$	...	28	26	North America ...	J. Turner-Turner.
19 $\frac{7}{8}$	3 $\frac{3}{4}$	11 $\frac{1}{2}$	15 $\frac{1}{2}$	5 × 5	Yellowstone River	British Museum.





**PRONG-HORNED ANTELOPE** (*Antilocapra americana*).

*Weight*—About 80 lbs. clean.

*Habitat*—North America.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
15 $\frac{3}{4}$	6 $\frac{1}{4}$	5 $\frac{7}{8}$	...	Wyoming ...	St. George Littledale, 1879.
15 $\frac{1}{8}$	6 $\frac{1}{4}$	7 $\frac{5}{8}$	...	North America...	Col. Ralph Vivian.
15	5 $\frac{5}{8}$	5 $\frac{3}{4}$	...	Wyoming ...	St. George Littledale, 1879.
14 $\frac{7}{8}$	5	5 $\frac{1}{4}$	...	New Mexico ...	Capt. F. Cookson, 1887.
14 $\frac{3}{4}$	6	5 $\frac{7}{8}$	...	Wyoming ...	St. George Littledale, 1879.
14 $\frac{1}{2}$	6 $\frac{3}{8}$	4 $\frac{1}{4}$	...	North America...	Col. Ralph Vivian.
14 $\frac{1}{2}$	6 $\frac{1}{4}$	...	14	Do. ...	Rev. J. H. Douglas.
14 $\frac{1}{2}$	6	...	9 $\frac{1}{2}$	Do. ...	Ford G. Barclay.
14 $\frac{1}{4}$	6	2 $\frac{5}{8}$	8 $\frac{1}{8}$	Do. ...	Sir Victor Brooke's Collection.
14 $\frac{1}{4}$	5 $\frac{1}{4}$	2 $\frac{7}{8}$	...	New Mexico ...	Capt. F. Cookson, 1887.
14	5 $\frac{1}{2}$	9 $\frac{1}{4}$	...	North America...	J. Carr-Saunders.
13 $\frac{7}{8}$	5 $\frac{3}{4}$	5 $\frac{5}{8}$	...	Do. ...	Gerald Buxton, 1884.
13 $\frac{1}{2}$	5 $\frac{7}{8}$	5 $\frac{3}{8}$	...	New Mexico ...	Capt. F. Cookson, 1887.
13 $\frac{1}{4}$	5 $\frac{1}{2}$	...	10 $\frac{3}{4}$	North America...	William Fox.
13	6 $\frac{1}{4}$	9 $\frac{1}{2}$	...	Do. ...	Rowland Ward's Collection.
13	5 $\frac{3}{4}$	...	...	Do. ...	P. C. Walker.
13	5 $\frac{1}{2}$	...	5 $\frac{1}{2}$	Do. ...	Crawford E. Logan.
12 $\frac{7}{8}$	6 $\frac{1}{2}$	9 $\frac{3}{8}$	...	Wyoming ...	St. George Littledale, 1879.
12 $\frac{7}{8}$	5 $\frac{1}{4}$	6 $\frac{5}{8}$	...	North America...	The late J. S. Jameson.

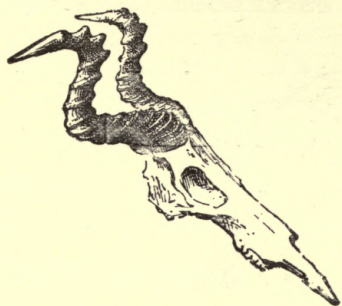
**PRONG-HORNED ANTELOPE** (*Antilocapra americana*)—*continued.*

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
12 $\frac{5}{8}$	6 $\frac{1}{2}$	5	...	North America...	Hon. Walter Rothschild.
12 $\frac{1}{2}$	6 $\frac{3}{8}$	5 $\frac{1}{2}$	10 $\frac{1}{2}$	Do. ...	J. L. Carroll.
12 $\frac{1}{2}$	5 $\frac{1}{2}$	...	9 $\frac{1}{2}$	Do. ...	William Fox.
12 $\frac{3}{8}$	5 $\frac{3}{4}$	4 $\frac{7}{8}$	...	Do. ...	E. N. Buxton, 1884.
12	5 $\frac{1}{2}$	...	15	Do. ...	M. Tilden.
11 $\frac{3}{4}$	5 $\frac{3}{4}$	...	...	Do. ...	Gerald Buxton. (American Exhibition Catalogue.)
11 $\frac{1}{8}$	5 $\frac{1}{8}$	4	...	Do. ...	F. J. Horniman.
10 $\frac{3}{4}$	5 $\frac{7}{8}$	6 $\frac{5}{8}$	...	Mexico ...	British Museum.
10 $\frac{1}{2}$	5 $\frac{1}{4}$	7	8	North America...	J. L. Carroll.
9 $\frac{1}{2}$	6 $\frac{1}{2}$	...	10	Do. ...	H. G. C. Bishop.
6 $\frac{3}{8}$	4 $\frac{1}{2}$	10	...	Yellowstone River	British Museum.
6 $\frac{1}{8}$	...	8 $\frac{3}{4}$	...	Do.	Do.
5 $\frac{3}{4}$	5 $\frac{1}{8}$	...	...	North America...	Otho Shaw. (American Exhibition Catalogue.)

**BUBALINE ANTELOPE** (*Bubalis bubalinus*).*Habitat*—North Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
14 $\frac{1}{2}$	8 $\frac{5}{8}$	9 $\frac{3}{8}$	North Africa ...	British Museum.
14 $\frac{1}{8}$	6 $\frac{3}{4}$	9 $\frac{3}{4}$	Soudan ...	Col. Ralph Vivian.
13 $\frac{1}{8}$	7	5 $\frac{1}{4}$	North Africa ...	Zoological Society, British Museum.





### HARTEBEESTE (*Bubalis caama*).

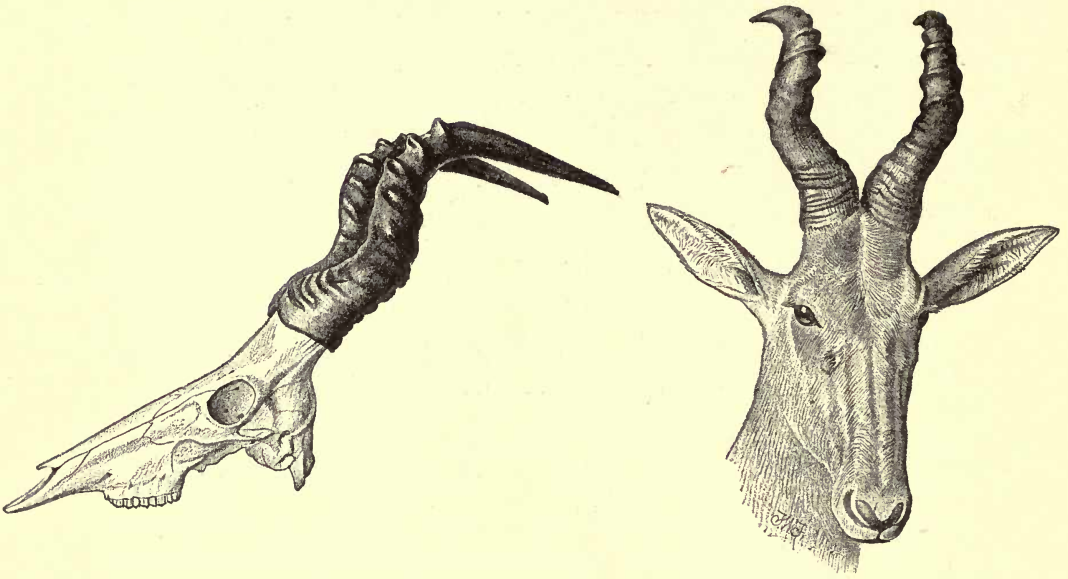
*Habitat*—South Africa : Griqualand West, Eastern border of the Kalahari desert and eastwards to the river Serule on the road from Bamangwato to Tati ; also from the Botletlie river to the Zambesi. Further northwards *B. caama* is replaced by *B. lichtensteinii*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$24\frac{3}{4}$	$10\frac{1}{4}$	$9\frac{3}{4}$	South Africa ...	H. Atkinson.
24	10	$9\frac{1}{2}$	Do. ...	R. C. Dobson.
$23\frac{3}{4}$	10	$8\frac{3}{8}$	Do. ...	Sir A. Smith, British Museum.
$23\frac{1}{2}$	$11\frac{1}{2}$	$9\frac{1}{8}$	Do. ...	Hon. Walter Rothschild.
$23\frac{1}{2}$	$11\frac{1}{2}$	$10\frac{3}{8}$	Do. ...	F. C. Selous.
$23\frac{1}{4}$	$10\frac{3}{8}$	$8\frac{1}{8}$	Do. ...	The late J. S. Jameson.
23	$11\frac{1}{4}$	6	Do. ...	F. C. Selous.
$22\frac{1}{2}$	$10\frac{3}{4}$	$10\frac{1}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
$22\frac{3}{8}$	$10\frac{3}{4}$	$6\frac{1}{8}$	Do. ...	H. Atkinson.
$22\frac{3}{8}$	$10\frac{3}{8}$	$9\frac{5}{8}$	Do. ...	A. Beit.
22	$10\frac{5}{8}$	$8\frac{1}{8}$	Do. ...	Sir Victor Brooke's Collection.
22	11	8	Do. ...	Major Severas.
$21\frac{3}{4}$	$11\frac{1}{4}$	7	Do. ...	W. C. Oswell.
$21\frac{3}{4}$	10	$8\frac{1}{4}$	Do. ...	A. Beit.

HARTEBEESTE (*Bubalis caama*)—*continued*.

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
21½	11	5½	South Africa ...	C. Ansell.
21½	10½	7¾	Do. ...	A. Beit.
21½	10½	6½	Do. ...	F. C. Selous.
20½	10	8	Do. ...	Rowland Ward's Collection.
20½	11½	5¾	Do. ...	R. C. Dobson.
20	11	4¾	Africa ...	Sir Edmund G. Loder, Bart.
♀ 19¾	7½	9	South Africa ...	The late J. S. Jameson.
19½	8¼	8	Do. ...	F. C. Selous.
19½	7½	8½	Africa ...	J. A. Nicoll.
18¾	8¾	7¾	South Africa ...	H.R.H. Duke of Edinburgh.
18¾	8¾	9½	Do. ...	J. Carr-Saunders.
17½	8¾	5¾	Do. ...	H.R.H. Duke of Edinburgh.
16½	8¾	¾	Do. ...	British Museum.
10¾	7¼	3	Africa ...	Earl of Derby, British Museum.





**JACKSON'S HARTEBEESTE (*Bubalis jacksoni*).**

*Habitat*—Central Africa : Country between Lake Victoria Nyanza and Lake Naivasha.

THIS is a new species of Hartebeeste recently shot by Mr. F. J. Jackson in British East African Territory, who in his letter to me, dated October 1890, says: "I do not think it is likely to extend further south, but of course it may extend to the Cape for what we know; if it is *A. caama* it may do so, but I am inclined to doubt its being the same as the S. African animal. I seem to have an idea that the one at the British Museum is very much darker, and the horns different, but this is only from memory, and I cannot be sure. Up north all along the top of the Elgeyo Escarpment (continuation of Mau) into Turquel, to the north and north-east of Mount Elgon, it is common, and takes the place of *A. cokei*. Round Baringo it is fairly plentiful, but some marches south of Njemis the *A. cokei* takes its place."

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
20 $\frac{7}{8}$	11 $\frac{3}{4}$	9 $\frac{5}{8}$	East Africa ...	F. J. Jackson.
23 $\frac{1}{2}$	12	9	... ..	E. Gedge.

**TORA ANTELOPE** (*Bubalis tora*).

*Habitat*—North Africa. Numerous in Soudan and Abyssinia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
19 $\frac{3}{4}$	9	16 $\frac{1}{8}$	Abyssinia... ..	British Museum.
19 $\frac{1}{4}$	9	13 $\frac{3}{4}$	Do. ... ..	Sir Victor Brooke's Collection.
18 $\frac{1}{2}$	8 $\frac{3}{4}$	15 $\frac{1}{4}$	Soudan ... ..	Col. Ralph Vivian.
18 $\frac{1}{8}$	10	15 $\frac{1}{2}$	Do. ... ..	Do.
17 $\frac{1}{2}$	9 $\frac{3}{4}$	18	Bogos Land, Abyssinia.	British Museum.
16 $\frac{3}{4}$	7 $\frac{1}{8}$	14 $\frac{1}{2}$	Do.	Do.
15 $\frac{5}{8}$	7 $\frac{7}{8}$	17 $\frac{3}{4}$	Do.	Do.
13 $\frac{7}{8}$	6 $\frac{3}{4}$	14	Upper Nubia ...	Sir Edmund G. Loder, Bart.
12 $\frac{3}{8}$	7	6 $\frac{7}{8}$	Abyssinia... ..	British Museum.
11	6 $\frac{1}{8}$	15 $\frac{1}{8}$	Bogos Land, Abyssinia.	Do.





**SWAYNE'S HARTEBEESTE (*Bubalis swaynei*).**

*Habitat*—N. E. Africa : Somali Land.

CLOSELY allied to *B. cokei* and *B. tora*, but can readily be distinguished from either by its dark markings on the face.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
18 $\frac{3}{8}$	8 $\frac{3}{4}$	18	Somali... ..	Capt. H. G. C. Swayne.
17 $\frac{1}{2}$	8 $\frac{1}{8}$	19 $\frac{1}{2}$	Do. ... ..	T. W. H. Clarke.
16 $\frac{1}{2}$	9 $\frac{3}{4}$	12 $\frac{3}{4}$	Do. ... ..	Hon. Walter Rothschild.
16 $\frac{3}{8}$	9	17 $\frac{7}{8}$	Do. ... ..	W. D. James.
15 $\frac{1}{4}$	7 $\frac{1}{4}$	10 $\frac{5}{8}$	Do. ... ..	E. Lort-Phillips.

**COKE'S HARTEBEESTE** (*Bubalis cokei*).

*Habitat*—East Africa (Masai Land and adjoining Territory).

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round bend.	Straight.				
19	...	9 $\frac{3}{4}$	16	East Africa	Sir Robert Harvey, Bart.
18 $\frac{5}{8}$	...	8 $\frac{7}{8}$	16 $\frac{1}{4}$	Do.	F. J. Jackson.
18 $\frac{1}{4}$	...	9 $\frac{1}{2}$	13 $\frac{1}{8}$	Do.	H. C. V. Hunter.
18	...	9 $\frac{1}{4}$	16 $\frac{3}{4}$	Do.	Sir Robert Harvey, Bart.
17 $\frac{5}{8}$	...	8 $\frac{3}{4}$	17 $\frac{1}{8}$	Do.	F. J. Jackson.
17 $\frac{3}{8}$	...	9 $\frac{1}{2}$	11	Do.	J. Carr-Saunders.
17 $\frac{1}{8}$	...	9 $\frac{1}{4}$	13 $\frac{1}{2}$	Do.	H. C. V. Hunter.
16 $\frac{3}{8}$	...	9 $\frac{1}{8}$	13 $\frac{5}{8}$	Do.	Do.
16 $\frac{3}{8}$	...	8	12 $\frac{3}{8}$	Do.	British Museum.



**COKE'S HARTEBEESTE** (*Bubalis cokei*)—*continued*.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round bend.	Straight.				
16 $\frac{1}{4}$	...	9	17 $\frac{1}{4}$	East Africa ...	Sir Victor Brooke's Collection.
16 $\frac{1}{8}$	...	8 $\frac{5}{8}$	13 $\frac{1}{2}$	Kilima'njaro ...	Sir John Kirk, M.D., K.C.B.
16	12	...	12	East Africa ...	E. Gedge.
15 $\frac{7}{8}$	...	7 $\frac{1}{2}$	12 $\frac{3}{8}$	Do. ...	Sir Robert Harvey, Bart.
15 $\frac{3}{4}$	...	8 $\frac{3}{4}$	10 $\frac{1}{8}$	Taita ...	J. Wray, British Museum.
15 $\frac{3}{8}$	...	7 $\frac{3}{8}$	11 $\frac{1}{8}$	East Africa ...	Sir Robert Harvey, Bart.
...	9	5 $\frac{3}{4}$	11	Do. ...	W. Astor Chanler.
14 $\frac{1}{8}$	...	9 $\frac{1}{8}$	12 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
14	...	10	11 $\frac{7}{8}$	Do. ...	Hon. Walter Rothschild.
13 $\frac{1}{2}$	...	9 $\frac{1}{8}$	12 $\frac{1}{2}$	Do. ...	Roland Ward's Collection.
11 $\frac{1}{2}$	...	...	17 $\frac{1}{2}$	Do. ...	Sir John Willoughby, Bart., "East Africa and its Big Game."

**WEST AFRICAN HARTEBEESTE** (*Bubalis major*).*Habitat*—West Africa.

Length.	Circumference.	Tip to Tip.	Widest outside.	Habitat.	Owner.
20 $\frac{3}{8}$	10 $\frac{1}{4}$	7	...	Africa ...	British Museum.



LICHTENSTEIN'S HARTEBEEESTE (*Bubalis lichtensteinii*).

*Zambesi name*—"Godoňko."

*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Widest outside.	Habitat.	Owner.
20	12 $\frac{1}{8}$	8	...	Zanzibar ...	Sir John Kirk, M. D., K. C. B.
19 $\frac{1}{2}$	11 $\frac{1}{2}$	8 $\frac{1}{8}$	...	Africa ...	Hon. Walter Rothschild.
19 $\frac{1}{4}$	10 $\frac{3}{8}$	6 $\frac{5}{8}$	...	Zanzibar ...	Sir John Kirk, M. D., K. C. B.
19	11 $\frac{1}{2}$	4 $\frac{7}{8}$	...	East Africa ...	British Museum.
18 $\frac{5}{8}$	11 $\frac{3}{8}$	3 $\frac{1}{8}$	...	South Africa ...	F. C. Selous.
18 $\frac{1}{2}$	10 $\frac{1}{4}$	5	...	Do. ...	F. C. Selous, British Museum.
18 $\frac{1}{2}$	12	8	12	East Africa ...	Gen. Mathews.
18 $\frac{1}{4}$	11 $\frac{1}{4}$	5 $\frac{1}{8}$	...	Do. ...	F. J. Jackson.
18 $\frac{1}{8}$	10 $\frac{3}{4}$	4 $\frac{5}{8}$	...	Do. ...	Do.
16 $\frac{5}{8}$	11 $\frac{1}{8}$	6 $\frac{1}{8}$	...	River Saba (Mashuna Land).	F. C. Selous, British Museum.
15 $\frac{1}{2}$	10 $\frac{3}{4}$	5 $\frac{3}{8}$	...	... ..	W. P. Rylands.
♀ 15	8 $\frac{7}{8}$	4 $\frac{7}{8}$	...	River Saba (Mashuna Land).	F. C. Selous, British Museum.
14 $\frac{5}{8}$	7 $\frac{3}{4}$	3 $\frac{3}{4}$	...	East Africa ...	F. J. Jackson.
14 $\frac{1}{2}$	8	5 $\frac{1}{8}$	...	Do. ...	Do.
♀ 14 $\frac{1}{2}$	7 $\frac{3}{4}$	2 $\frac{7}{8}$	...	Do. ...	Rowland Ward's Collection.
♀ 14 $\frac{1}{8}$	8 $\frac{1}{2}$	5 $\frac{5}{8}$	...	Transvaal ...	British Museum.
12 $\frac{7}{8}$	7	3 $\frac{7}{8}$	...	Africa ...	F. L. James.





**SENEGAL HARTEBEESTE** (*Bubalis senegalensis*).

*Habitat*—East and West Central Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
19 $\frac{1}{4}$	6 $\frac{5}{8}$	3 $\frac{3}{8}$	East Africa ...	H. C. V. Hunter.
19	6 $\frac{3}{4}$	10	Gambia... ..	Earl of Derby, British Museum.
19	7 $\frac{1}{2}$	8	East Africa ...	Rowland Ward's Collection.
18 $\frac{3}{4}$	9 $\frac{1}{8}$	11	Gambia... ..	Earl of Derby, British Museum.
18 $\frac{1}{2}$	8 $\frac{3}{8}$	5 $\frac{1}{4}$	East Africa ...	J. Carr-Saunders.
18 $\frac{1}{8}$	6 $\frac{3}{8}$	5 $\frac{7}{8}$	Do. ...	Sir Robert Harvey, Bart.
18	8 $\frac{1}{8}$	5 $\frac{3}{8}$	Do. ...	F. J. Jackson.
17 $\frac{3}{4}$	8 $\frac{1}{2}$	8	Do. ...	Do.

SENEGAL HARTEBEESTE (*Bubalis senegalensis*)—  
*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
17 $\frac{1}{8}$	7 $\frac{3}{4}$	5	East Africa ...	H. C. V. Hunter.
17	8	7	Do. ...	Sir Robert Harvey, Bart.
16 $\frac{7}{8}$	7	5 $\frac{1}{2}$	Do. ...	F. J. Jackson.
16 $\frac{5}{8}$	5 $\frac{3}{4}$	5 $\frac{3}{8}$	Do. ...	Do.
16 $\frac{3}{8}$	7 $\frac{5}{8}$	6	Do. ...	H. C. V. Hunter.
16 $\frac{3}{8}$	6 $\frac{1}{8}$	5 $\frac{1}{2}$	... ..	Sir John Kirk, M.D., K.C.B.
16 $\frac{1}{4}$	7 $\frac{5}{8}$	8 $\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
16 $\frac{1}{4}$	7 $\frac{1}{2}$	4 $\frac{1}{4}$	Do. ...	Do.
15 $\frac{3}{4}$	5 $\frac{5}{8}$	4 $\frac{1}{8}$	Do. ...	F. J. Jackson.
15 $\frac{5}{8}$	7 $\frac{5}{8}$	5 $\frac{3}{4}$	Do. ...	Hon. Walter Rothschild.
15 $\frac{5}{8}$	7 $\frac{1}{4}$	5 $\frac{3}{4}$	Do. ...	F. J. Jackson.
15 $\frac{1}{2}$	8 $\frac{1}{2}$	7	Do. ...	E. Gedge.
14 $\frac{3}{4}$	7 $\frac{1}{2}$	6 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
14 $\frac{1}{2}$	7 $\frac{3}{4}$	6	Do. ...	Do.
13 $\frac{3}{8}$	8 $\frac{1}{8}$	5 $\frac{1}{2}$	Do. ...	Do.

BUBALIS KOB.

*Habitat*—East and West Central Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
21 $\frac{3}{8}$	9 $\frac{1}{8}$	11 $\frac{3}{4}$	River Gambia ...	Dr. P. Rendall, British Museum.
♀ 20 $\frac{1}{4}$	6 $\frac{3}{4}$	6 $\frac{7}{8}$	Bahr-el-gazal ...	Consul Petherick, British Museum.
♀ 16 $\frac{3}{8}$	5 $\frac{7}{8}$	5 $\frac{5}{8}$	River Juba, South Somali.	Sir John Kirk, M.D., K.C.B., British Museum.
10 $\frac{1}{8}$	6 $\frac{1}{4}$	7 $\frac{7}{8}$	Bahr-el-gazal ...	Consul Petherick, British Museum.





**TSESSEBE ANTELOPE or BASTARD HARTEBEESTE**  
(*Bubalis lunatus*).

*Habitat*—South Africa. Open country in territory adjacent to Limpopo River.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15 $\frac{5}{8}$	7 $\frac{1}{2}$	11 $\frac{3}{4}$	... ..	Sir Edmund G. Loder, Bart.
15 $\frac{1}{4}$	8 $\frac{1}{8}$	12 $\frac{1}{2}$	... ..	F. C. Selous.
15 $\frac{1}{4}$	8 $\frac{1}{8}$	10 $\frac{1}{2}$	South Africa ...	W. C. Oswell.
15 $\frac{1}{4}$	8	12 $\frac{1}{4}$	Do. ...	Sir A. Smith, British Museum.
15 $\frac{1}{8}$	7 $\frac{1}{8}$	12	... ..	Sir Victor Brooke's Collection.
14 $\frac{1}{2}$	7 $\frac{7}{8}$	11 $\frac{1}{4}$	... ..	F. C. Selous.
14 $\frac{1}{2}$	7 $\frac{5}{8}$	11	Mashuna Land ...	F. C. Selous, British Museum.
14 $\frac{1}{2}$	7 $\frac{1}{2}$	13 $\frac{5}{8}$	Central Africa ...	British Museum.
14 $\frac{1}{4}$	7 $\frac{1}{2}$	10 $\frac{1}{4}$	... ..	Hon. Walter Rothschild.
14 $\frac{1}{4}$	6 $\frac{3}{8}$	11 $\frac{1}{4}$	... ..	W. C. Oswell.
14 $\frac{1}{8}$	6 $\frac{1}{8}$	9 $\frac{7}{8}$	... ..	F. C. Selous.
14	7	9 $\frac{5}{8}$	... ..	Durban Museum.
14	6 $\frac{3}{4}$	12 $\frac{7}{8}$	South Africa ...	A. Beit.
13 $\frac{7}{8}$	7 $\frac{1}{2}$	13 $\frac{3}{8}$	Do. ...	British Museum.
♀ 13 $\frac{7}{8}$	6 $\frac{5}{8}$	11 $\frac{1}{2}$	Mashuna Land ...	F. C. Selous, British Museum.
13 $\frac{7}{8}$	6 $\frac{1}{4}$	12 $\frac{3}{8}$	South Africa ...	H. and C. Beddington.

*TSESSEBE ANTELOPE OR BASTARD HARTEBEESTE. 67*

**TSESSEBE ANTELOPE or BASTARD HARTEBEESTE**

(*Bubalis lunatus*)—*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{3}{4}$	6 $\frac{1}{2}$	10 $\frac{1}{8}$	South Africa ...	Hon. Walter Rothschild.
13 $\frac{5}{8}$	6 $\frac{3}{8}$	13 $\frac{1}{8}$	Do. ...	The late J. S. Jameson.
13 $\frac{1}{2}$	7 $\frac{3}{8}$	10 $\frac{7}{8}$	Do. ...	A. Beit.
13 $\frac{1}{2}$	6	9 $\frac{1}{4}$	... ...	J. A. Nicoll.
13 $\frac{1}{4}$	6 $\frac{1}{8}$	13 $\frac{1}{4}$	South Africa ...	Sir A. Smith, British Museum.
13 $\frac{1}{8}$	7 $\frac{3}{8}$	12 $\frac{1}{4}$	Do. ...	H. and C. Beddington.
13	7 $\frac{1}{8}$	13 $\frac{1}{4}$	Do. ...	The late J. S. Jameson.
12 $\frac{7}{8}$	7 $\frac{1}{2}$	12 $\frac{5}{8}$	Do. ...	W. P. Rylands.
12 $\frac{3}{4}$	5 $\frac{3}{4}$	12	Do. ...	A. Beit.
12 $\frac{1}{2}$	7 $\frac{1}{2}$	12	Do. ...	Rowland Ward's Collection.
12	6	12 $\frac{7}{8}$	Do. ...	H. and C. Beddington.



**BLESSBOK** (*Bubalis albifrons*).*Habitat*—South Africa.

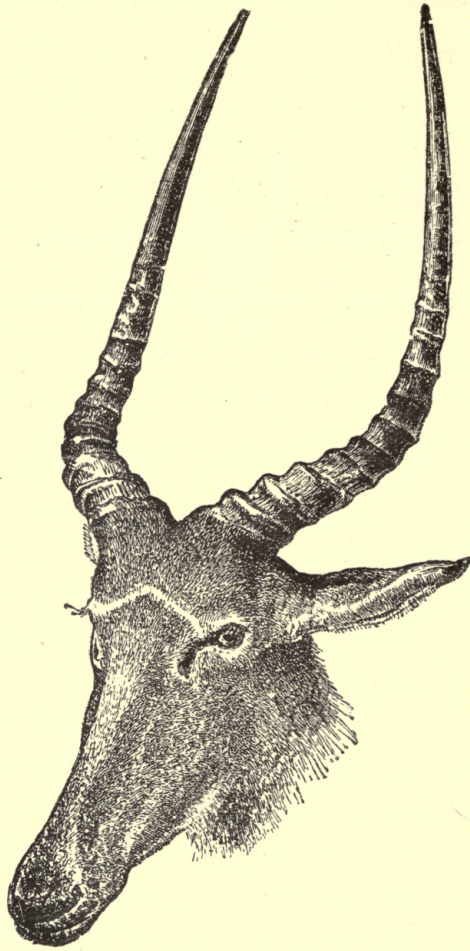
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
18 $\frac{1}{4}$	5 $\frac{3}{4}$	12 $\frac{1}{4}$	South Africa ...	Sir Edmund G. Loder, Bart.
16 $\frac{1}{8}$	6 $\frac{1}{4}$	8 $\frac{1}{8}$	Do. ...	Do.
15 $\frac{1}{4}$	6 $\frac{1}{8}$	6 $\frac{1}{2}$	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I.
15 $\frac{1}{8}$	6 $\frac{1}{2}$	7 $\frac{3}{4}$	Do. ...	Hon. Walter Rothschild.
14 $\frac{1}{4}$	6 $\frac{1}{8}$	8 $\frac{3}{4}$	... ..	H.R.H. Duke of Edinburgh.
14	6 $\frac{3}{8}$	7 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
14	5 $\frac{1}{8}$	7 $\frac{1}{8}$	... ..	Rowland Ward's Collection.
13 $\frac{7}{8}$	6 $\frac{1}{8}$	7 $\frac{3}{8}$	South Africa ...	British Museum.
13 $\frac{3}{4}$	5 $\frac{3}{4}$	6 $\frac{1}{8}$	... ..	W. C. Oswell.
13 $\frac{1}{2}$	5	5 $\frac{3}{4}$	... ..	F. C. Selous.
13 $\frac{3}{8}$	5	9 $\frac{3}{8}$	... ..	H.R.H. Duke of Edinburgh.
12 $\frac{3}{4}$	5 $\frac{3}{8}$	4 $\frac{5}{8}$	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
12 $\frac{5}{8}$	4 $\frac{3}{4}$	7	South Africa ...	British Museum.
12 $\frac{3}{8}$	6	9 $\frac{3}{4}$	... ..	F. J. Horniman.

**BONTEBOK** (*Bubalis pygargus*).

*Habitat*—South Africa. The horns closely resemble *Blessbok*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
16 $\frac{3}{8}$	6 $\frac{3}{4}$	9 $\frac{1}{8}$	... ..	British Museum.
16	6 $\frac{1}{4}$	6 $\frac{3}{4}$	... ..	Rowland Ward's Collection.
15 $\frac{3}{4}$	6	3 $\frac{3}{4}$	... ..	Do.
15 $\frac{3}{8}$	6 $\frac{1}{8}$	8 $\frac{1}{8}$	Cape Colony ...	Sir Victor Brooke's Collection.
15 $\frac{3}{8}$	6 $\frac{1}{4}$	8 $\frac{1}{2}$	... ..	British Museum.
15	5 $\frac{1}{4}$	4 $\frac{1}{2}$	... ..	Do.
15	6 $\frac{3}{8}$	7 $\frac{5}{8}$	Cape Colony ...	Capt. Freville-Cookson.
15	6 $\frac{1}{8}$	6 $\frac{7}{8}$	South Africa ...	British Museum.
14 $\frac{1}{2}$	6 $\frac{1}{4}$	8 $\frac{1}{4}$	Do. ...	Hon. Walter Rothschild.
14 $\frac{1}{2}$	6 $\frac{5}{8}$	7 $\frac{1}{4}$	Do. ...	British Museum.
14 $\frac{1}{2}$	4 $\frac{1}{2}$	7 $\frac{3}{4}$	Do. ...	Do.
14	6 $\frac{3}{8}$	8 $\frac{1}{8}$	... ..	J. Carr-Saunders.
14	6 $\frac{1}{4}$	7 $\frac{1}{2}$	Cape Colony ...	Sir Victor Brooke's Collection.
13 $\frac{3}{4}$	5	6 $\frac{1}{2}$	South Africa ...	A. W. Davis.
12 $\frac{3}{8}$	5 $\frac{7}{8}$	5 $\frac{7}{8}$	Do. ...	British Museum.
12 $\frac{1}{8}$	4 $\frac{3}{8}$	6 $\frac{3}{8}$	Do. ...	Do.





**HUNTER'S ANTELOPE (*Bubalis hunteri*).**

*Habitat*—North banks of the Tana River, East Africa.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round bend.	Straight.				
26 $\frac{1}{4}$	22	8 $\frac{1}{8}$	12 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
24 $\frac{7}{8}$	...	8 $\frac{1}{8}$	15 $\frac{1}{2}$	Do. ...	H. C. V. Hunter.
24 $\frac{5}{8}$	21 $\frac{1}{4}$	8 $\frac{3}{8}$	9 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.

HUNTER'S ANTELOPE (*Bubalis hunteri*)—*continued*.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round bend.	Straight.				
24 $\frac{3}{8}$	...	7 $\frac{7}{8}$	13 $\frac{3}{8}$	East Africa ...	H. C. V. Hunter.
24 $\frac{1}{8}$	20 $\frac{1}{4}$	8 $\frac{1}{8}$	11 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
24	20 $\frac{1}{2}$	8	...	Do. ...	H. C. V. Hunter.
22 $\frac{7}{8}$	...	7 $\frac{1}{4}$	7 $\frac{5}{8}$	Tana River ...	Do. British Museum.
22	...	...	16	East Africa ...	Do.
21	...	5 $\frac{1}{2}$	10 $\frac{1}{4}$	Tana River ...	Do. British Museum.
20 $\frac{1}{2}$	18 $\frac{1}{4}$	5 $\frac{1}{2}$	11 $\frac{3}{8}$	East Africa ...	Sir Robert Harvey, Bart.
20 $\frac{1}{8}$	...	5 $\frac{5}{8}$	10 $\frac{5}{8}$	Do. ...	H. C. V. Hunter.
20 $\frac{1}{8}$	...	5 $\frac{5}{8}$	8 $\frac{7}{8}$	Do. ...	Hon. Walter Rothschild.
19 $\frac{5}{8}$	17 $\frac{5}{8}$	5 $\frac{3}{8}$	11 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
19	17	5 $\frac{3}{4}$	10 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.





**BRINDLED GNU** (*Connochoëtes taurina*).

*Habitat*—South Central Africa.

The specimens shot in East Africa may be the sub-species figured on page 75.

Length.	Breadth of Palm.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
26 $\frac{1}{8}$	8	14 $\frac{3}{4}$	16 $\frac{1}{2}$	... ..	Sir Edmund G. Loder, Bart.
23	11 $\frac{1}{2}$ (circumference)	19 $\frac{1}{2}$	31	South Africa ...	J. A. Nicoll.
23	9 $\frac{7}{8}$	14 $\frac{7}{8}$	...	... ..	H.R.H. Duke of Edinburgh.
22 $\frac{7}{8}$	...	16 $\frac{1}{2}$	25 $\frac{3}{8}$	East Africa ...	F. J. Jackson.
22 $\frac{5}{8}$	...	18 $\frac{3}{4}$	26 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.
22 $\frac{1}{4}$	6	18 $\frac{1}{8}$	26	South Africa ...	F. C. Selous.
22 $\frac{1}{8}$	...	17 $\frac{3}{4}$	25 $\frac{5}{8}$	East Africa ...	F. J. Jackson.
22	5 $\frac{3}{4}$	15 $\frac{3}{8}$	23 $\frac{1}{8}$	... ..	The late J. S. Jameson.
21 $\frac{5}{8}$	13 (circumference)	23 $\frac{3}{4}$	...	East Africa ...	F. J. Jackson.
21 $\frac{5}{8}$	5 $\frac{1}{4}$	17 $\frac{3}{8}$	28 $\frac{1}{2}$	South Africa ...	G. H. Banks.
20 $\frac{5}{8}$	...	15 $\frac{1}{8}$	24	East Africa ...	Sir Robert Harvey, Bart.
20 $\frac{1}{2}$	12 $\frac{1}{2}$ (circumference)	12 $\frac{1}{2}$	25	... ..	Rowland Ward's Collection.
20 $\frac{1}{4}$	...	12 $\frac{3}{4}$	21 $\frac{3}{4}$	Mashunaland ...	F. C. Selous.
20	12 (circumference)	17	27 (outside)	East Africa ...	R. P. Carrol.
19 $\frac{7}{8}$	...	12 $\frac{3}{4}$	20 $\frac{7}{8}$	Do. ...	Sir Robert Harvey, Bart.
19 $\frac{3}{4}$	...	18	23 $\frac{3}{8}$	Do. ...	Do.

BRINDLED GNU (*Connochoëtes taurina*)—continued.

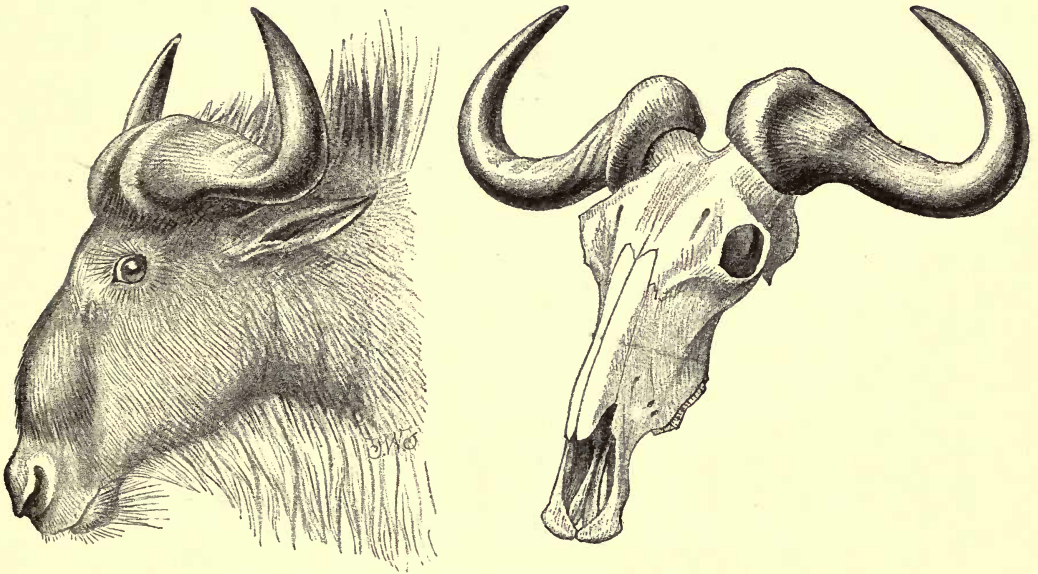
Length.	Breadth of Palm.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
19 $\frac{3}{4}$	5	17	23 $\frac{3}{4}$	South Africa ...	R. C. Dobson.
19 $\frac{5}{8}$	5 $\frac{3}{8}$	12 $\frac{1}{2}$	21 $\frac{1}{4}$	... ..	Hon. Walter Rothschild.
19 $\frac{1}{2}$	5	15	22 $\frac{1}{2}$	... ..	W. C. Oswell.
19 $\frac{1}{2}$	...	20	...	East Africa ...	H. C. V. Hunter.
19 $\frac{1}{2}$	14 $\frac{1}{2}$ (circumference)	16 $\frac{1}{4}$	22	Do. ...	F. J. Jackson.
19 $\frac{1}{2}$	...	13 $\frac{5}{8}$	21 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
19 $\frac{3}{8}$	...	15 $\frac{1}{8}$	22	Do. ...	H. C. V. Hunter.
19 $\frac{1}{4}$	11 $\frac{1}{8}$ (circumference)	17 $\frac{1}{8}$	23 $\frac{5}{8}$	South Africa ...	H. Atkinson.
19 $\frac{1}{4}$	5	15 $\frac{3}{8}$	22 $\frac{1}{8}$	Do. ...	H. and C. Beddington.
19 $\frac{1}{8}$	5 $\frac{1}{2}$	15 $\frac{1}{2}$	22 $\frac{1}{2}$	Do. ...	F. C. Selous.
19	5 $\frac{1}{2}$	12 $\frac{3}{8}$	21 $\frac{1}{2}$	... ..	J. Carr Saunders.
19	5 $\frac{1}{2}$	11 $\frac{1}{2}$	13 $\frac{5}{8}$	... ..	Sir Edmund G. Loder, Bart.
18 $\frac{1}{4}$	4 $\frac{5}{8}$	12 $\frac{7}{8}$	19 $\frac{7}{8}$	... ..	The late J. S. Jameson.
18	...	16	...	South Africa ...	British Museum.
17 $\frac{1}{4}$	...	11 $\frac{1}{8}$	20 $\frac{1}{4}$	East Africa ...	F. J. Jackson.
17	4 $\frac{3}{4}$	17 $\frac{1}{2}$	21 $\frac{5}{8}$	... ..	Sir Victor Brooke's Collection.
17	...	15	24 (outside)	East Africa ...	W. Astor Chanler.
...	...	16	28 (outside)	... ..	Sir J. Willoughby, Bart., "East Africa and its Big Game."
16	7	12 $\frac{1}{4}$	22	South Africa ...	A. W. Davis.
15 $\frac{7}{8}$	3 $\frac{5}{8}$	10 $\frac{3}{8}$	18 $\frac{3}{8}$	Do. ...	A. Beit.
15 $\frac{1}{2}$	...	3 $\frac{3}{4}$	10 $\frac{1}{8}$	Do. ...	British Museum.
15	...	13 $\frac{1}{8}$	18 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
15	8 $\frac{7}{8}$	12 $\frac{1}{4}$	17 $\frac{7}{8}$	South Africa ...	H. and C. Beddington.
14 $\frac{7}{8}$	4	14 $\frac{3}{4}$	18 $\frac{7}{8}$	Do. ...	A. Beit.
14 $\frac{1}{2}$	...	11 $\frac{7}{8}$	17 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
13 $\frac{3}{4}$	8 $\frac{3}{4}$	9 $\frac{7}{8}$	16 $\frac{1}{4}$	Zanzibar ...	Sir John Kirk, M.D., K.C.B.
12 $\frac{5}{8}$	...	11 $\frac{5}{8}$	...	South Africa ...	British Museum.



**WHITE-TAILED GNU (*Connochætes gnu*).***Habitat*—South Africa.

Length.	Breadth of Palm.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
22 $\frac{3}{8}$	8 $\frac{1}{2}$	15 $\frac{1}{4}$	...	... ..	F. C. Selous.
22	9	17 $\frac{1}{8}$	...	... ..	Hon. Walter Rothschild.
21 $\frac{1}{2}$	10 $\frac{5}{8}$	18 $\frac{5}{8}$	...	South Africa ...	British Museum.
21 $\frac{3}{8}$	8	14 $\frac{3}{8}$	...	... ..	F. C. Selous.
20 $\frac{3}{8}$	...	15 $\frac{1}{2}$	23 $\frac{1}{8}$	... ..	Bethnal Green Museum.
16 $\frac{3}{4}$	10 $\frac{1}{2}$	12 $\frac{5}{8}$	17 $\frac{3}{4}$	South Africa ...	British Museum.
15 $\frac{7}{8}$	3 $\frac{3}{4}$	13 $\frac{1}{8}$	19 $\frac{3}{8}$	... ..	Sir Edmund G. Loder, Bart.
*14 $\frac{5}{8}$	7 $\frac{3}{8}$ (circumference)	8 $\frac{1}{2}$	16 $\frac{5}{8}$	Ugarano ...	Capt. Speke, British Museum.

\* *Gorgon fasciatus*.



**JACKSON'S WILDEBEESTE** (*Connochætes taurinus albojubatus*).

*Habitat*—East Africa, Uganda.

Closely allied to the Brindled Wildebeeste, excepting that it has a white mane under the throat instead of black.

Length.	Breadth.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
20 $\frac{1}{8}$	5 $\frac{1}{8}$	16 $\frac{3}{8}$	22 $\frac{3}{8}$	East Africa ...	F. J. Jackson.
19 $\frac{1}{8}$	5 $\frac{3}{4}$	16 $\frac{1}{4}$	21 $\frac{7}{8}$	Do. ...	Do.



**DUIKER ANTELOPE** (*Cephalophus grimini*).*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$5\frac{3}{8}$	$2\frac{1}{8}$	$2\frac{7}{8}$	South Africa ...	F. C. Selous.
5	$2\frac{1}{4}$	$2\frac{1}{2}$	Do. ...	Do.
$4\frac{7}{8}$	$2\frac{1}{2}$	$2\frac{1}{4}$	Do. ...	Do.
$4\frac{3}{4}$	$2\frac{1}{4}$	3	Do. ...	A. Beit.
$4\frac{1}{2}$	...	$2\frac{7}{8}$	Algoa Bay ...	F. C. Selous, British Museum.
$4\frac{1}{2}$	$2\frac{1}{4}$	$1\frac{3}{4}$	South Africa ...	G. H. Banks.
$4\frac{1}{4}$	$1\frac{7}{8}$	$2\frac{3}{4}$	... ...	Sir Robert Harvey, Bart.
$4\frac{1}{8}$	$2\frac{1}{8}$	$1\frac{5}{8}$	... ...	J. Carr-Saunders.
$4\frac{1}{8}$	$1\frac{7}{8}$	$2\frac{5}{8}$	Natal ...	J. Wahlberg, British Museum.
$4\frac{1}{8}$	2	2	Transvaal ...	F. C. Selous, British Museum.
4	$1\frac{7}{8}$	$1\frac{1}{2}$	South Africa ...	H. and C. Beddington.
4	$1\frac{7}{8}$	$1\frac{1}{2}$	Do. ...	Do.
$3\frac{7}{8}$	$2\frac{1}{8}$	2	... ...	Sir Robert Harvey, Bart.
$3\frac{7}{8}$	$1\frac{3}{4}$	$1\frac{3}{4}$	East Africa ...	F. J. Jackson.
$3\frac{3}{4}$	2	$2\frac{1}{8}$	South Africa ...	H. and C. Beddington.
$3\frac{3}{4}$	...	$1\frac{3}{4}$	... ...	The late J. S. Jameson.
$3\frac{1}{4}$	$1\frac{3}{4}$	$2\frac{1}{8}$	East Africa ...	F. J. Jackson.
$3\frac{1}{4}$	...	$1\frac{1}{4}$	South Africa ...	The late J. S. Jameson.
* $3\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{3}{4}$	Abyssinia ...	Sir Victor Brooke's Collection.
$2\frac{3}{4}$	$1\frac{7}{8}$	$1\frac{1}{4}$	Do. ...	British Museum.

\* *Cephalophus Madoqua*.

**NATAL BUSHBUCK** (*Cephalophus natalensis*).

[Dr. J. E. GRAY, P.Z.S., p. 589.]

HAIR rigid, adpressed, of neck and cheeks short, of forehead long, bright red-bay ; beneath pale yellowish ; forehead red.

There are four specimens in the British Museum, two males and two females.

*Habitat*—Port Natal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$3\frac{1}{8}$	...	$2\frac{1}{8}$	Natal ... ..	Dr. A. Kraus, British Museum.
$2\frac{7}{8}$	3	$2\frac{1}{4}$	Zanzibar ... ..	Dr. Kirk, British Museum.

**WHITE-BACKED BUSHBUCK** (*Cephalophus sylvicultor*).

*Habitat*—Fantee.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$4\frac{5}{8}$	...	$2\frac{1}{4}$	Fantee ... ..	British Museum.
$6\frac{3}{4}$	...	$4\frac{1}{2}$	Do. ... ..	Do.
$6\frac{5}{8}$	$3\frac{3}{8}$	$4\frac{3}{8}$	Do. ... ..	Do.

**BANDED BUSHBUCK** (*Cephalophus doriæ*).

*Habitat*—Liberia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$1\frac{7}{8}$	...	1	Liberia ... ..	Dr. J. Buttikofer, British Museum.





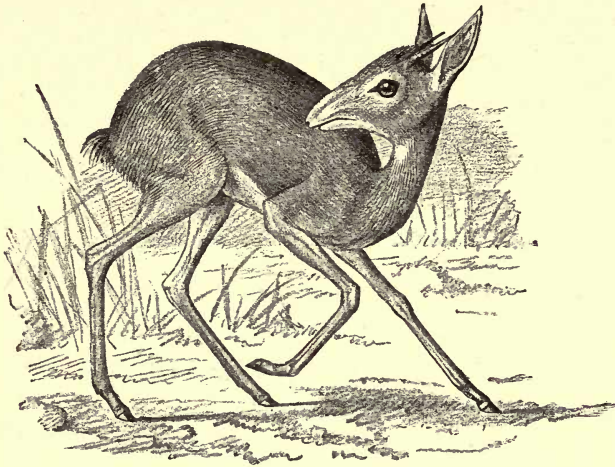
# FOUR-HORNED ANTELOPE or CHOUSINGHA

(*Tetraceros quadricornis*).

Horns in male only.

*Habitat*—India.

Length.		Circumference.		Tip to Tip.		Habitat.	Owner.
Rear Horn.	Fore Horn.	Rear Horn.	Fore Horn.	Rear Horn.	Fore Horn.		
$4\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{3}{8}$	$1\frac{5}{8}$	$2\frac{7}{8}$	India ...	Sir Edmund G. Loder, Bart.
4	$2\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{7}{8}$	3	$1\frac{1}{8}$	Indore ...	Col. John Evans, British Museum.
$3\frac{5}{8}$	$1\frac{3}{4}$	$1\frac{7}{8}$	2	$1\frac{1}{8}$	$2\frac{1}{2}$	India ...	Sir Robert Harvey, Bart.
$3\frac{1}{2}$	2	$1\frac{5}{8}$	$1\frac{5}{8}$	$1\frac{1}{4}$	$2\frac{1}{2}$	Do. ...	H. R. H. Duke of Edinburgh.
$3\frac{1}{8}$	$\frac{1}{2}$	$2\frac{1}{8}$	$1\frac{1}{2}$	$2\frac{5}{8}$	$1\frac{1}{8}$	Nepal ...	British Museum.
$2\frac{3}{4}$	1	$1\frac{7}{8}$	$1\frac{1}{2}$	$1\frac{7}{8}$	...	India ...	Do.
2	$\frac{1}{2}$	3	...	3	$1\frac{1}{8}$	Do. ...	Do.

KIRK'S ANTELOPE (*Neotragus kirki*).*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
3	...	1½	East Africa ...	F. J. Jackson.
2¾	...	1⅝	Do. ...	British Museum.
2⅝	...	1½	Do. ...	Sir Robert Harvey, Bart.
2⅝	1½	1⅝	Kilima'njaro ...	H. C. V. Hunter, British Museum.
2⅝	...	1¾	East Africa ...	Sir Robert Harvey, Bart.
2½	...	1⅞	Do. ...	F. J. Jackson.
2½	1½	...	North-east Africa	Col. Ralph Vivian.
2½	...	1⅝	East Africa ...	Hon. Walter Rothschild.
2½	...	1⅝	Do. ...	Rowland Ward's Collection.
2⅜	...	1⅝	Island of Manda...	Sir John Kirk, M.D., K.C.B.
2⅜	...	1½	Somali Land ...	Do. British Museum.
2⅜	...	1½	East Africa ...	Sir Robert Harvey, Bart.
2⅜	1⅝	1⅝	Do. ...	Sir John Kirk, British Museum.
2¼	...	1⅞	Do. ...	Sir Robert Harvey, Bart.
2	...	...	Do. ...	Sir John Willoughby, Bart., "East Africa and its Big Game."



**SALT'S ANTELOPE** (*Neotragus Saltianis*).*Weight*—Weight about 6 lbs.*Habitat*—Somali Land, North-east Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$2\frac{3}{4}$	1	1	Somali Land ...	T. W. H. Clarke.
$2\frac{5}{8}$	...	$1\frac{3}{8}$	Do.	Sir Victor Brooke's Collection.
$2\frac{1}{2}$	1	$1\frac{3}{8}$	Do.	Capt. H. G. C. Swayne.
$2\frac{3}{8}$	$1\frac{3}{8}$	$1\frac{5}{8}$	Abyssinia... ..	Sir Victor Brooke's Collection.
$2\frac{3}{8}$	...	$1\frac{5}{8}$	North-east Africa	British Museum.
$2\frac{3}{8}$	$1\frac{1}{2}$	...	Somali Land ...	C. Liddell.

**ZANZIBAR ANTELOPE** (*Nanotragus moschatus*).*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$3\frac{1}{4}$	$1\frac{1}{2}$	2	Coral Islands, Zanzibar.	Sir John Kirk, M. D., K. C. B.
$3\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$	Zanzibar ... ..	Capt. Speke, British Museum.
$3\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	Do. ... ..	Dr. Kirk, British Museum.
$2\frac{5}{8}$	$1\frac{1}{4}$	$1\frac{3}{4}$	Do. ... ..	Sir Victor Brooke's Collection.

**ORIBI ANTELOPE** (*Nanotragus scoparia*).*Habita*'—South Africa.

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
$4\frac{5}{8}$	$1\frac{3}{4}$	$3\frac{1}{2}$	South Africa ...	F. C. Selous.
$4\frac{3}{4}$	2	$2\frac{1}{2}$	Cape of Good Hope	British Museum.
$4\frac{3}{4}$	$1\frac{3}{4}$	2	South Africa ...	F. C. Selous.
$4\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{7}{8}$	Do. ...	Do.
$4\frac{1}{8}$	...	$2\frac{7}{8}$	Do. ...	Rowland Ward's Collection.

**WEST AFRICAN ORIBI** (*Nanotragus nigricaudatus*).*Habitat*—River Gambia.

(For description see page 82.)

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
3	$1\frac{5}{8}$	$2\frac{3}{4}$	River Gambia ...	Charles B. Mosse, British Museum.



**NANOTRAGUS NIGRICAUDATUS.**

[Sir VICTOR BROOKE, P.Z.S. 1872, p. 875.]

GRIZZLY fawn; forehead rufous; tail black, of moderate length; temporal gland distinct, black; knee-brushes large; false hoofs present but small; ears moderate; horns slender, moderate in length, and slightly bent forward.

Height at shoulder, 20 in.; length of ears,  $4\frac{1}{2}$  in.; length of horns, 3 in. A narrow mark about one inch in length on each side of the naked muzzle; a line passing round the eye and suborbital pit, but not meeting in front of the gland, lower lip, chin, spot on throat, belly, inside of limbs nearly as far down as the carpal and tarsal joints, and rump white. Nose and ears externally dusky brown; forehead and occiput rufous; temporal gland large, round, and covered with very short bluish-black hair, that covering the region between the suborbital pit and the eye being of similar character and colour; neck, back, flanks, and sides of a peculiar grizzly fawn colour. This peculiarity is obtained by the base of each hair being almost white, the tip rufous, the intervening part of a deep bluish grey.

**ABYSSINIAN ORIBI (*Nanotragus montanus*).***Habitat*—Abyssinia.

[Sir VICTOR BROOKE, P.Z.S. 1872, p. 875.]

SANDY fawn; tail of the same colour as the back, and very short, almost rudimentary; temporal gland and knee-brushes distinct; false hoofs small; ears moderate; horns short and subconical.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$4\frac{3}{8}$	$1\frac{3}{4}$	$2\frac{1}{2}$	Dembelas, Abyssinia.	British Museum.

**STEINBUCK** (*Nanotragus tragulus*).*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
5 $\frac{3}{8}$	2	1 $\frac{3}{4}$	East Africa ...	E. Gedge.
5	...	2 $\frac{1}{2}$	Do. ...	Sir John Willoughby, Bart., "East Africa and its Big Game."
4 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{5}{8}$	South Africa ...	H. and C. Beddington.
4 $\frac{1}{2}$	1 $\frac{5}{8}$	2 $\frac{3}{8}$	Do. ...	F. C. Selous.
4 $\frac{3}{8}$	1 $\frac{5}{8}$	2 $\frac{3}{8}$	East Africa ...	Sir Robert Harvey, Bart.
4 $\frac{3}{8}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	South Africa ...	F. C. Selous.
4 $\frac{1}{4}$	2	2 $\frac{5}{8}$	Do. ...	The late J. S. Jameson.
4 $\frac{1}{8}$	1 $\frac{7}{8}$	2 $\frac{1}{4}$	Soudan ...	Col. Ralph Vivian.
4 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{3}{8}$	Kaokoland, West Africa.	Capt. F. Cookson, 1890.
4 $\frac{1}{8}$	1 $\frac{5}{8}$	1 $\frac{3}{4}$	South Africa ...	F. C. Selous.



**STEINBUCK** (*Nanotragus tragulus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
4	$1\frac{3}{4}$	$2\frac{3}{8}$	Soudan ...	Col. Ralph Vivian.
4	$1\frac{3}{8}$	$2\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
* $3\frac{7}{8}$	$1\frac{5}{8}$	$2\frac{3}{8}$	South Africa ...	British Museum.
$3\frac{3}{4}$	$1\frac{3}{4}$	$2\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
$3\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{7}{8}$	... ..	J. Carr Saunders.
$3\frac{3}{4}$	$1\frac{1}{2}$	$2\frac{1}{4}$	East Africa ...	F. J. Jackson.
* $3\frac{3}{8}$	$1\frac{1}{2}$	$2\frac{1}{2}$	Transvaal ...	British Museum.
* $3\frac{3}{8}$	...	$2\frac{3}{4}$	Near Kilima'njaro, East Africa.	H. C. V. Hunter, British Museum.

\* *Nanotragus campestris*.**KLIPSPRINGER** (*Nanotragus oreotragus*).*Somali name*—"Alakud."*Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$4\frac{3}{8}$	2	$3\frac{1}{4}$	South Africa ...	F. C. Selous.
$4\frac{1}{4}$	$2\frac{1}{8}$	$2\frac{1}{4}$	Do. ...	Do.
$4\frac{1}{4}$	2	$3\frac{1}{4}$	East Africa ...	E. Gedge.
$4\frac{1}{8}$	$2\frac{1}{8}$	$2\frac{3}{8}$	South Africa ...	F. C. Selous.
4	$2\frac{1}{2}$	$1\frac{7}{8}$	Do. ...	H. and C. Beddington.

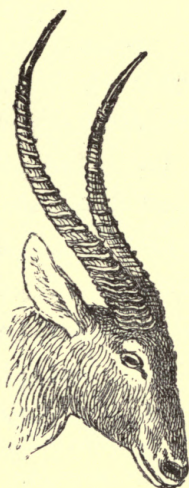
**KLIPSPRINGER** (*Nanotragus oreotragus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat	Owner.
*4	2	3	South Africa ...	British Museum.
4	1 $\frac{7}{8}$	2	Do.	The late J. S. Jameson.
3 $\frac{3}{4}$	2	2	Somali, North-East Africa.	T. W. H. Clarke.
*3 $\frac{3}{4}$	...	1 $\frac{7}{8}$	Abyssinia ...	British Museum.
3 $\frac{1}{4}$	1 $\frac{3}{4}$	1 $\frac{5}{8}$	Somali ...	E. Lort-Phillips.
3 $\frac{1}{8}$	1 $\frac{3}{4}$	2 $\frac{1}{2}$	South Africa ...	A. Beit.
*3 $\frac{1}{8}$	1 $\frac{3}{4}$	2 $\frac{3}{8}$	Do. ...	British Museum.
3	1 $\frac{7}{8}$	3 $\frac{3}{4}$	Do. ...	Hon. Walter Rothschild.

\* *Oreotragus saltator*.**REHBOK** (*Pelea capreola*).*Habitat*—South Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
8 $\frac{5}{8}$	2 $\frac{1}{2}$	2 $\frac{5}{8}$	South Africa ...	Dr. Burchell, British Museum.
7 $\frac{7}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{2}$	Do. ...	R. G. Breakes, British Museum.
7 $\frac{3}{8}$	2 $\frac{1}{4}$	3 $\frac{1}{4}$	Do. ...	Rowland Ward's Collection.
7 $\frac{1}{2}$	2 $\frac{3}{8}$	3	Do. ...	H. Atkinson.
6 $\frac{7}{8}$	2 $\frac{1}{2}$	3 $\frac{1}{8}$	Do. ...	A. Beit.
6 $\frac{1}{4}$	2 $\frac{3}{8}$	2 $\frac{3}{4}$	Do. ...	British Museum.
5 $\frac{1}{2}$	2 $\frac{3}{8}$	1 $\frac{3}{4}$	Do. ...	Hon. Walter Rothschild.





**WATERBUCK** (*Cobus ellipsiprymnus*).

*Bechuana name*—"Tumoha."

*Lower Zambesi name*—"Myakobswe."

*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
33½	9¼	21½	... ..	Hon. Walter Rothschild.
33	9⅜	11½	Mashuna Land	F. C. Selous, British Museum.
32¾	9¼	21⅜	South Africa ...	Sir Victor Brooke's Collection.
31⅜	8½	21⅞	Do. ...	British Museum.
31¼	9⅝	19¼	... ..	Sir Edmund G. Loder, Bart.
31	...	(owner's measurements)	Mashuna Land	F. C. Selous.
30½	8⅞	16⅜	Algoa Bay ...	C. Wemys, British Museum.
30⅝	8½	13⅞	... ..	F. C. Selous.

WATERBUCK (*Cobus ellipsiprymnus*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
30	9	22½	... ..	W. Ogilby (P.Z.S. 1883, pt. 1, p. 47).
30	8⅞	16½	South Africa ...	British Museum.
29⅞	9⅛	12⅞	... ..	Hon. Charles Ellis.
29¾	9½	21⅞	... ..	F. C. Selous.
29¼	8	24½	... ..	Hon. Charles Ellis.
29	9¼ (malformed)	5½	South Africa ...	A. W. Davis.
28⅞	9	21	... ..	Rowland Ward's Collection.
28¾	8	15¼	South Africa ...	G. H. Banks.
28⅝	8	16¾	Do. ...	Do.
28¾	9⅛	21⅜	... ..	H.R.H. Duke of Edinburgh.
28⅝	8	19¼	... ..	Hon. Charles Ellis.
28	(owner's measurements)	18	East Africa ...	Sir John Willoughby, Bart.
28	9¼	16¾	... ..	Hon. Walter Rothschild.
27¾	9¼	14¾	... ..	The late J. S. Jameson.
27⅝	8	9⅞	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
27½	8⅞	25½	... ..	Hon. Charles Ellis.
27½	8¾	14	South Africa ...	Durban Museum.
27¼	9½	16¾	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
27	9	24	East Africa ...	E. Gedge.
26¾	9¼	21	Limpopo ...	W. C. Oswell.
26½	8⅞	15⅞	South Africa ...	A. M. Sagar Musgrave.
26½	7½	13⅞	Do. ...	Bethnal Green Museum.
26⅝	9⅞	11½	Do. ...	The late J. S. Jameson.
26⅝	8½	18⅞	Do. ...	J. Carr-Saunders.
26	9⅞	12¾	Limpopo ...	W. C. Oswell.
25⅞	8⅞	17½	Soudan ...	Col. Ralph Vivian.
25⅝	8¼	11	... ..	Capt. Speke, British Museum.



**WATERBUCK** (*Cobus ellipsiprymnus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
25 $\frac{3}{8}$	9 $\frac{3}{8}$	16	... ..	The late J. S. Jameson.
25 $\frac{3}{8}$	8 $\frac{1}{2}$	22	South Africa ...	W. P. Rylands.
25 $\frac{1}{4}$	8 $\frac{3}{4}$	13 $\frac{7}{8}$	East Africa ...	Sir Robert Harvey, Bart.
25 $\frac{1}{8}$	8	13 $\frac{3}{8}$	Do. ...	H. C. V. Hunter.
25	9 $\frac{1}{4}$	15 $\frac{1}{2}$	Soudan ...	Col. Ralph Vivian.
25	8 $\frac{1}{2}$	13 $\frac{1}{2}$	South Africa ...	J. A. Nicoll.
25	7 $\frac{3}{4}$	16 $\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
24 $\frac{7}{8}$	8 $\frac{1}{2}$	16 $\frac{1}{2}$	South Africa ...	W. P. Rylands.
24 $\frac{7}{8}$	8 $\frac{1}{8}$	13	East Africa ...	Sir Robert Harvey, Bart.
24 $\frac{7}{8}$	7 $\frac{3}{4}$	9 $\frac{1}{2}$	Do. ...	Do.
24 $\frac{1}{4}$	7 $\frac{1}{2}$	9 $\frac{3}{4}$	... ..	W. D. James.
24 $\frac{1}{8}$	8	17 $\frac{7}{8}$	East Africa ...	Sir Robert Harvey, Bart.
24 $\frac{1}{8}$	7 $\frac{3}{4}$	16 $\frac{1}{8}$	South Africa ...	British Museum.
23 $\frac{7}{8}$	8 $\frac{3}{8}$	12 $\frac{5}{8}$	East Africa ...	H. C. V. Hunter.
23 $\frac{7}{8}$	8	15 $\frac{5}{8}$	Do. ...	Sir Robert Harvey, Bart.
23	9	9	Do. ...	E. Gedge.
22 $\frac{3}{8}$	8 $\frac{1}{2}$	13 $\frac{1}{8}$	Do. ...	Sir Robert Harvey, Bart.
21 $\frac{3}{4}$	7 $\frac{3}{8}$	11 $\frac{1}{8}$	Do. ...	Do.
21 $\frac{3}{8}$	7 $\frac{5}{8}$	13 $\frac{3}{8}$	Cape Delgado	Sir John Kirk, M.D., K.C.B.
21 $\frac{3}{8}$	7	11 $\frac{1}{4}$	... ..	W. D. James.
21	7 $\frac{3}{4}$	13	East Africa ...	W. Astor Chandler.
20	7 $\frac{1}{8}$	12 $\frac{1}{8}$	Cape Delgado	Sir John Kirk, M.D., K.C.B.

SINGSING ANTELOPE (*Cobus defassus*).*Habitat*—Africa.

[Dr. SCLATER on Capt. Speke's trophies, P.Z.S. 1864, p. 102.]

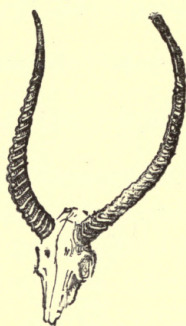
THE general aspect of the head resembles *Kobus ellipsiprymnus*, but the face is blacker, and the top of the head between the horns dark rufous. "It does not possess the lunate mark on the rump of the Waterbuck, and does not stand so high, but is rather more stoutly built." (Note by Capt. Speke on above.)

[Dr. JAMES MURIE, P.Z.S. 1867, p. 5.]

		Baron Hernier.	British Museum.	Capt. Speke's specimen.
Height at shoulder	...	45 $\frac{3}{4}$	45 $\frac{1}{2}$	...
Length of body, rump, to front of shoulder	...	52	...	...
Length of head from between the horns to tip of muzzle	...	13 $\frac{1}{2}$	13	...
Length of tail	...	16	11	...
Length of ears	...	...	20	24

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
27 $\frac{3}{8}$	8 $\frac{1}{8}$	13 $\frac{1}{2}$	Africa ...	British Museum.
27 $\frac{1}{4}$	7 $\frac{1}{2}$	18 $\frac{1}{4}$	Abyssinia ...	Do.
26 $\frac{7}{8}$	7 $\frac{3}{4}$	15 $\frac{1}{8}$	Uganda ...	Capt. Speke, British Museum.
26 $\frac{3}{8}$	8 $\frac{1}{2}$	21 $\frac{3}{8}$	River Atbara, Abyssinia.	British Museum.
25 $\frac{1}{8}$	8 $\frac{5}{8}$	13 $\frac{3}{8}$	Africa ...	Hon. Walter Rothschild.
24	7 $\frac{3}{4}$	...	Do. ...	Capt. Speke (P.Z.S. 1867, p. 5).
23 $\frac{1}{2}$	7 $\frac{1}{2}$	...	Do. ...	Baron Hernier (P.Z.S. 1867, p. 5).
23 $\frac{7}{8}$	7 $\frac{3}{4}$	15 $\frac{3}{4}$	Do. ...	British Museum.
22 $\frac{7}{8}$	8 $\frac{1}{2}$	10 $\frac{3}{8}$	Do. ...	Sir Edmund G. Loder, Bart.



**LECHWE ANTELOPE** (*Cobus lechë*).*Habitat*—South Africa.

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
27½	10¾	19½	Chobe River ...	F. C. Selous, British Museum.
27	...	...	Do. ...	Do. 1879, "A Hunter's Wanderings."
26½	8¾	21	South Africa ...	A. Beit.
26½	8	15 (about)	Do. ...	F. C. Selous.
25	...	...	Lukanga ...	Do. 1878, "A Hunter's Wanderings."
24¾	7¾	13¾	South Africa ...	The late J. S. Jameson.
24	8½	14¼	Do. ...	F. C. Selous.
24	8	15½	Zambesi ...	W. C. Oswald.
23¾	7½	14½	South Africa ...	F. C. Selous.
23	9	9	East Africa ...	E. Gedge.
22¾	7¼	6¾	South Africa ...	A. Beit.
22¾	7¾	11¼	Do. ...	The late J. S. Jameson.
22¾	6¾	11¾	Chobe River ...	F. C. Selous, British Museum.
22	7¼	10¾	South Africa ...	J. Carr-Saunders.
21½	7	10	Africa ...	J. A. Nicoll.
21¼	6½	13¾	Do. ...	Capt. F. Vardon, British Museum.

**WHITE-EARED WATERBUCK** (*Cobus leucotis*).*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
19 $\frac{7}{8}$	6 $\frac{3}{8}$	7 $\frac{1}{4}$	Bahr el Gazal ...	British Museum.
19 $\frac{1}{8}$	5 $\frac{7}{8}$	9 $\frac{1}{2}$	Do. ...	Consul J. Petherick, British Museum.
19	6	8 $\frac{1}{4}$	Do. ...	Do.
17 $\frac{1}{4}$	6	7 $\frac{1}{4}$	Africa ...	Sir Victor Brooke's Collection.

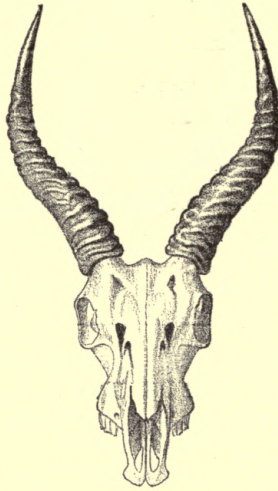
**COBUS KOB.***Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
18	7 $\frac{1}{4}$	11 $\frac{1}{2}$	East Africa ...	E. Gedge.
17 $\frac{3}{4}$	7 $\frac{3}{4}$	11 $\frac{1}{2}$	Uganda ...	Do.
17 $\frac{3}{8}$	6 $\frac{1}{2}$	7 $\frac{3}{4}$	Do. ...	F. J. Jackson.
17 $\frac{1}{4}$	7 $\frac{1}{2}$	5 $\frac{1}{2}$	Do. ...	Do. 1890.
17 $\frac{1}{8}$	7	5	Masai Land ...	Do. British Museum.
17	6 $\frac{3}{4}$	9 $\frac{1}{2}$	East Africa ...	E. Gedge.
9 $\frac{1}{2}$	5	3	Gambia ...	Earl of Derby, British Museum.
8	4 $\frac{5}{8}$	4 $\frac{5}{8}$	Do. ...	Do.

**MRS. GRAY'S WATERBUCK** (*Cobus maiæ*).*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
26 $\frac{7}{8}$	6 $\frac{7}{8}$	13 $\frac{3}{4}$	Arwan, Bahr el Gazal.	Consul J. Petherick, British Museum.





**POOKOO ANTELOPE** (*Cebus vardonii*).

*Native name*—"Poku."

*Habitat*—South Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
19 $\frac{1}{8}$	6 $\frac{3}{4}$	8 $\frac{1}{2}$	South Africa ...	J. Carr-Saunders.
16 $\frac{1}{4}$	6 $\frac{5}{8}$	7 $\frac{1}{2}$	Do. ...	British Museum.
16	6 $\frac{3}{4}$	6 $\frac{3}{8}$	Chobe River ...	F. C. Selous.
15 $\frac{1}{8}$	6	10	South Africa ...	J. Carr-Saunders.
14 $\frac{1}{2}$	6 $\frac{3}{8}$	6 $\frac{5}{8}$	Do. ...	F. C. Selous.
14 $\frac{1}{8}$	6 $\frac{5}{8}$	5 $\frac{1}{8}$	Chobe River ...	Do. British Museum.
13 $\frac{7}{8}$	5 $\frac{7}{8}$	7 $\frac{1}{4}$	South Africa ...	Rowland Ward's Collection.



**REEDBUCK** (*Cervicapra arundineum*).  
(*Cervicapra bohor*).

*Senq and Tete name*—"N'sengo."

*Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15 $\frac{7}{8}$	6 $\frac{1}{4}$	14 $\frac{1}{4}$	... ..	British Museum.
15 $\frac{3}{4}$	6 $\frac{1}{8}$	(one point broken)	... ..	The late J. S. Jameson.
15 $\frac{1}{8}$	6 $\frac{5}{8}$	11 $\frac{1}{4}$	... ..	F. C. Selous.
15	...	...	... ..	Do. "A Hunter's Wanderings."
15	6 $\frac{1}{2}$	9 $\frac{3}{4}$	South Africa ...	Sir John Willoughby, Bart.
14 $\frac{5}{8}$	7 $\frac{3}{8}$	9 $\frac{1}{8}$	... ..	Hon. Walter Rothschild.
14 $\frac{1}{2}$	6 $\frac{3}{8}$	7 $\frac{5}{8}$	... ..	Sir Edmund G. Loder, Bart.
14 $\frac{1}{2}$	6 $\frac{1}{4}$	7	... ..	F. C. Selous.
14 $\frac{1}{2}$	5 $\frac{5}{8}$	8 $\frac{1}{4}$	... ..	Do.
14 $\frac{1}{2}$	5 $\frac{3}{8}$	14 $\frac{3}{8}$	... ..	W. C. Oswald.
14	...	...	River Tati, South Africa.	F. C. Selous, "A Hunter's Wanderings."
13 $\frac{7}{8}$	5 $\frac{3}{4}$	11 $\frac{1}{2}$	South Africa ...	A. Beit.
*13 $\frac{3}{4}$	5 $\frac{7}{8}$	8 $\frac{1}{8}$	... ..	British Museum.
13 $\frac{5}{8}$	5 $\frac{1}{2}$	9 $\frac{3}{8}$	... ..	The late J. S. Jameson.
13 $\frac{1}{2}$	6	9 $\frac{1}{4}$	... ..	Hon. Walter Rothschild.
13 $\frac{1}{2}$	...	12 $\frac{1}{4}$	... ..	Dr. Knight-Bruce, Bishop of Bloombfontein.
13 $\frac{1}{2}$	5 $\frac{7}{8}$	6 $\frac{1}{8}$	... ..	The late J. S. Jameson.
13 $\frac{1}{8}$	6 $\frac{1}{8}$	10 $\frac{5}{8}$	... ..	Do.

\* *Cervicapra bohor*.



REEDBUCK—*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{1}{8}$	5 $\frac{3}{8}$	9 $\frac{5}{8}$	... ..	G. H. Banks.
13	7 $\frac{3}{8}$	11 $\frac{3}{8}$	... ..	F. C. Selous.
13	6 $\frac{1}{2}$	11 $\frac{1}{2}$	... ..	Col. G. W. Thompson.
12 $\frac{7}{8}$	6 $\frac{3}{4}$	12 $\frac{3}{8}$	... ..	F. C. Selous.
12 $\frac{7}{8}$	5 $\frac{3}{8}$	11	South Africa ...	A. Beit.
12 $\frac{3}{4}$	6 $\frac{1}{8}$	8 $\frac{3}{8}$	... ..	A. M. Sagar-Musgrave.
*12 $\frac{1}{2}$	5 $\frac{5}{8}$	5 $\frac{3}{8}$	... ..	Sir John Kirk, M.D., K.C.B., British Museum.
12 $\frac{1}{2}$	5 $\frac{1}{2}$	11 $\frac{3}{4}$	South Africa ...	A. Beit.
*12	5 $\frac{1}{2}$	11 $\frac{7}{8}$	Do. ...	British Museum.
11 $\frac{7}{8}$	5 $\frac{5}{8}$	10 $\frac{3}{8}$	... ..	J. Carr-Saunders.
11 $\frac{3}{4}$	5 $\frac{1}{2}$	8 $\frac{1}{2}$	South Africa ...	A. C. Fountaine.
11	6	14	Do. ...	Lieut. C. F. Gisborne.
11	6	9 $\frac{1}{4}$	Do. ...	J. A. Nicoll.
*10 $\frac{5}{8}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
*10 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{3}{8}$	South Africa ...	British Museum.
*9 $\frac{1}{4}$	5 $\frac{1}{4}$	4 $\frac{1}{2}$	Do. ...	Rowland Ward's Collection.
*9 $\frac{1}{8}$	5 $\frac{3}{8}$	8 $\frac{1}{2}$	Do. ...	Dr. Burchell, British Museum.
*9 $\frac{1}{8}$	4 $\frac{7}{8}$	4 $\frac{5}{8}$	East Africa ...	H. C. V. Hunter.
*9	5 $\frac{1}{4}$	3 $\frac{5}{8}$	Zanzibar ...	Sir John Kirk, M.D., K.C.B.
*8 $\frac{3}{4}$	5	3 $\frac{7}{8}$	East Africa ...	Sir Robert Harvey, Bart.
*8 $\frac{3}{4}$	4 $\frac{7}{8}$	3 $\frac{3}{4}$	Do. ...	H. C. V. Hunter.
8 $\frac{1}{2}$	5 $\frac{1}{2}$	4	South Africa ...	The late J. S. Jameson.
*8 $\frac{1}{4}$	5 $\frac{3}{4}$	5	East Africa ...	R. P. Carroll.
*8 $\frac{1}{8}$	4 $\frac{3}{4}$	2 $\frac{1}{2}$	Masai Land ...	H. C. V. Hunter, British Museum.
*7 $\frac{3}{4}$	4 $\frac{7}{8}$	2 $\frac{3}{4}$	East Africa ...	F. J. Jackson.
*5 $\frac{3}{4}$	3 $\frac{7}{8}$	3 $\frac{1}{2}$	Do. ...	Do.

\* Cervicapra bohor.

**BLACKBUCK or INDIAN ANTELOPE** (*Antilope cervicapra*).*Habitat*—India.*Average weight*—85 lbs.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight.	Round Curve.				
28 $\frac{1}{4}$	40 $\frac{1}{2}$	5	17 $\frac{3}{4}$	India ...	A. O. Hume (Private Collection).
27	...	...	(owner's measurement)	Punjaub ...	Capt. H. V. Brooke, late 92nd Highlanders.
27	34	5	19 $\frac{1}{2}$	Do. ...	Sir Victor Brooke's Collection.
26 $\frac{3}{8}$	33	5	17 $\frac{7}{8}$	Do. ...	A. O. Hume (Private Collection).
25 $\frac{5}{8}$	35 $\frac{1}{8}$	4 $\frac{3}{4}$	20 $\frac{3}{4}$	Do. ...	Do.
25 $\frac{1}{2}$	...	...	15	Do. ...	Col. Martin.
25 $\frac{3}{8}$	35 $\frac{1}{4}$	5 $\frac{1}{2}$	14 $\frac{1}{2}$	Do. ...	Hume Collection, British Museum.
25 $\frac{1}{8}$	34 $\frac{3}{4}$	5 $\frac{1}{8}$	21 $\frac{3}{4}$	Gadaruara District, Cen. Prov.	Sir John H. Morris, K.C.S.I.
25	35 $\frac{1}{2}$	4 $\frac{7}{8}$	19	India ...	Hume Collection, British Museum.
24 $\frac{1}{4}$	...	5	18 $\frac{1}{2}$	Do. ...	Marquis of Ailsa.
24	33	5 $\frac{1}{2}$	14 $\frac{3}{4}$	Do. ...	Rowland Ward's Collection.
24	...	...	20	Do. ...	Lord Herbrand Russell.
24	37	5	18 $\frac{7}{8}$	Aligur ...	St. George Littledale, 1877.
23 $\frac{3}{4}$	33 $\frac{7}{8}$	5 $\frac{3}{8}$	21	India ...	H.R.H. Duke of Edinburgh.



**BLACKBUCK or INDIAN ANTELOPE** (*Antelope cervicapra*)—  
*continued.*

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight.	Round Curve.				
23 $\frac{5}{8}$	34	5 $\frac{1}{8}$	20 $\frac{7}{8}$	India ...	H.R.H. Duke of Edinburgh.
23 $\frac{1}{2}$	29 $\frac{1}{4}$	5 $\frac{1}{8}$	16 $\frac{3}{4}$	Do. ...	Lieut. F. E. Shafto-Adair.
23 $\frac{1}{2}$	...	...	...	Do. ...	Sir S. Baker, Bart., "Wild Beasts and their Ways."
23 $\frac{1}{4}$	33 $\frac{3}{8}$	5 $\frac{1}{2}$	18 $\frac{1}{2}$	Do. ...	Hume Collection, British Museum.
23 $\frac{1}{4}$	34 $\frac{1}{4}$	4 $\frac{7}{8}$	19 $\frac{3}{8}$	Do. ...	Do.
23 $\frac{1}{4}$	29 $\frac{7}{8}$	4 $\frac{5}{8}$	15 $\frac{1}{2}$	Do. ...	Do.
23	30 $\frac{1}{8}$	5 $\frac{1}{8}$	13 $\frac{3}{8}$	North India	Sir Victor Brooke's Collection, 1869.
22 $\frac{3}{4}$	32 $\frac{5}{8}$	5	15 $\frac{7}{8}$	India ...	Martyn Kennard.
22 $\frac{5}{8}$	30 $\frac{1}{8}$	5 $\frac{3}{4}$	11 $\frac{1}{8}$	Do. ...	Mrs. Stirling, British Museum.
*22 $\frac{5}{8}$	32 $\frac{3}{4}$	5 $\frac{3}{4}$	...	Do. ...	Hon. Walter Rothschild.
22 $\frac{1}{2}$	...	5 $\frac{1}{4}$	18 $\frac{1}{2}$	Do. ...	Lieut. F. E. S. Adair.
22 $\frac{3}{8}$	33 $\frac{5}{8}$	5	23 $\frac{1}{2}$	Do. ...	Martyn Kennard.
22 $\frac{1}{4}$	...	4 $\frac{3}{4}$	13	Do. ...	Capt. Henry Streatfield.
22 $\frac{1}{8}$	31	5	18 $\frac{7}{8}$	Do. ...	Lord Ashburton.
22	30	5	14 $\frac{3}{4}$	Do. ...	W. E. Rowley.
22	29	4 $\frac{3}{8}$	16 $\frac{1}{2}$	Do. ...	Martyn Kennard.
22	29 $\frac{1}{2}$	4 $\frac{3}{8}$	18 $\frac{1}{8}$	Do. ...	Sir Robt. Harvey, Bart.
21 $\frac{7}{8}$	32 $\frac{3}{8}$	4 $\frac{3}{8}$	14 $\frac{7}{8}$	Do. ...	F. J. Horniman.
21 $\frac{3}{4}$	31 $\frac{1}{2}$	4 $\frac{1}{2}$	18 $\frac{5}{8}$	Do. ...	Major Cumberland.
21 $\frac{1}{2}$	28 $\frac{5}{8}$	4 $\frac{7}{8}$	17 $\frac{5}{8}$	Do. ...	Martyn Kennard.
21 $\frac{3}{8}$	27 $\frac{3}{8}$	4 $\frac{3}{4}$	18 $\frac{1}{4}$	Do. ...	Do.
21 $\frac{1}{4}$	28 $\frac{5}{8}$	4 $\frac{5}{8}$	16	Do. ...	Sir Robert Harvey, Bart.
21 $\frac{1}{4}$	30	4 $\frac{7}{8}$	18 $\frac{1}{4}$	Do. ...	H.R.H. Duke of Edinburgh.
21 $\frac{1}{4}$	33 $\frac{1}{4}$	4 $\frac{5}{8}$	16 $\frac{7}{8}$	Do. ...	Martyn Kennard.
...	28	4 $\frac{1}{2}$	16	Do. ...	Capt. G. Campbell.

\* Albino.

**BLACKBUCK or INDIAN ANTELOPE** (*Antelope cervicapra*)—  
*continued.*

Length.		Circum- ference.	Tip to Tip.	Habitat.	Owner.
Straight.	Round Curve.				
21 $\frac{1}{8}$	28 $\frac{3}{4}$	5	18 $\frac{1}{4}$	India ...	Lord Ashburton.
21 $\frac{1}{8}$	31 $\frac{7}{8}$	4 $\frac{1}{2}$	7 $\frac{3}{4}$	Do. ...	The Hon. Charles Ellis.
21	25 $\frac{3}{4}$	4 $\frac{7}{8}$	15 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.
21	...	5 $\frac{1}{4}$	18	Do. ...	C. H. Seeley.
21	32	5 $\frac{1}{4}$	12 $\frac{5}{8}$	Do. ...	Hume Collection, British Museum.
20 $\frac{3}{4}$	28 $\frac{1}{8}$	5 $\frac{1}{4}$	14	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I., 1859.
20 $\frac{1}{2}$	30 $\frac{5}{8}$	4 $\frac{3}{4}$	14	Do. ...	Do.
20 $\frac{1}{2}$	28	5 $\frac{1}{8}$	21 $\frac{1}{2}$	Jullunder ...	Sir Victor Brooke's Collection, 1869.
20 $\frac{1}{2}$	28	4 $\frac{7}{8}$	14	India ...	H. C. V. Hunter.
20 $\frac{1}{2}$	28 $\frac{3}{8}$	5	19 $\frac{3}{4}$	Do. ...	Martyn Kennard.
...	27	(owner's measurement)	...	Do. ...	Capt. Townley Parker.
20 $\frac{1}{2}$	28 $\frac{3}{8}$	5 $\frac{3}{8}$	18 $\frac{1}{4}$	Do. ...	H.R.H. Duke of Edinburgh.
20 $\frac{3}{8}$	27	4 $\frac{5}{8}$	8 $\frac{3}{4}$	Do. ...	British Museum.
20 $\frac{1}{8}$	26 $\frac{5}{8}$	5 $\frac{1}{4}$	13 $\frac{1}{8}$	Central India	Do.
20 $\frac{1}{8}$	29 $\frac{1}{4}$	5	16 $\frac{7}{8}$	India ...	H. C. V. Hunter.
20	27 $\frac{3}{4}$	5 $\frac{1}{4}$	16 $\frac{3}{8}$	Do. ...	H.R.H. Le Duc d'Orleans.
20	27	5	12 $\frac{1}{2}$	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I., 1859.
19 $\frac{7}{8}$	26 $\frac{1}{4}$	5 $\frac{5}{8}$	11 $\frac{1}{2}$	Do. ...	H. C. V. Hunter.
19 $\frac{7}{8}$	26 $\frac{1}{2}$	5	18 $\frac{5}{8}$	Do. ...	Martyn Kennard.
19 $\frac{3}{4}$	24	4 $\frac{5}{8}$	15 $\frac{3}{8}$	Do. ...	H.R.H. Duke of Edinburgh.
19 $\frac{5}{8}$	29 $\frac{3}{4}$	5 $\frac{1}{8}$	16 $\frac{1}{8}$	Nepal ...	British Museum.
19 $\frac{1}{2}$	...	4 $\frac{3}{4}$	19 $\frac{1}{4}$	India ...	Noel Fenwick.
19 $\frac{1}{2}$	(owner's measurements)	5 $\frac{1}{2}$	...	H. Haran ...	J. H. Mann.
19 $\frac{1}{4}$	25 $\frac{1}{4}$	4 $\frac{3}{4}$	14 $\frac{1}{8}$	India ...	F. J. Horniman.
18 $\frac{7}{8}$	27 $\frac{1}{8}$	4 $\frac{3}{4}$	16 $\frac{7}{8}$	Do. ...	Sir Victor Brooke's Collection.
18 $\frac{7}{8}$	25 $\frac{3}{4}$	4 $\frac{5}{8}$	15 $\frac{1}{2}$	Do. ...	J. Carr-Saunders.



**BLACKBUCK or INDIAN ANTELOPE** (*Antilope cervicapra*)—  
*continued.*

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight.	Round Curve.				
18 $\frac{3}{4}$	25	4 $\frac{1}{8}$	12 $\frac{3}{4}$	Madras ...	Sir Walter Elliot, Bart., British Museum.
18 $\frac{3}{4}$	25 $\frac{1}{2}$	5 $\frac{7}{8}$	14 $\frac{3}{4}$	India ...	H. R. H. Le Duc d'Orleans.
18 $\frac{1}{2}$	28 $\frac{7}{8}$	5 $\frac{3}{4}$	12 $\frac{1}{8}$	Do. ...	H. R. H. Duke of Edinburgh.
18 $\frac{1}{2}$	26 $\frac{3}{8}$	5 $\frac{1}{8}$	10 $\frac{3}{8}$	Do. ...	Hume Collection, British Museum.
18 $\frac{1}{2}$	26	5	13 $\frac{1}{4}$	Do. ...	East India Club.
18 $\frac{3}{8}$	25 $\frac{7}{8}$	5 $\frac{1}{2}$	15 $\frac{3}{4}$	Aligur ...	St. George Littledale, 1877.
18	(killed by a Cheetah)	4 $\frac{3}{8}$	(owner's mea- surement)	Seroom nuggai	J. H. Mann.
17 $\frac{7}{8}$	24 $\frac{1}{4}$	5	7 $\frac{1}{4}$	Meerut ...	R. Lydekker, British Mu- seum.
17 $\frac{3}{4}$	27	4 $\frac{3}{8}$	10 $\frac{1}{4}$	India ...	Sir Robert Harvey, Bart.
17 $\frac{3}{8}$	24 $\frac{1}{2}$	4 $\frac{3}{4}$	15 $\frac{3}{4}$	Aligur ...	St. George Littledale, 1877.
17 $\frac{1}{2}$	23 $\frac{1}{4}$	4 $\frac{3}{4}$	12 $\frac{1}{2}$	Burmah ...	British Museum.
17 $\frac{3}{8}$	22 $\frac{1}{4}$	5	9 $\frac{3}{8}$	India ...	Sir Robert Harvey, Bart.
17	21 $\frac{3}{4}$	5 $\frac{1}{2}$	17	Aligur ...	St. George Littledale, 1877.
16	...	5	(owner's mea- surement)	H. Haran ...	J. H. Mann.

THE  
OF  
COLUMBIA





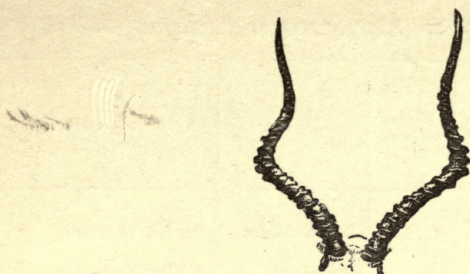
SHOT BY SIR ROBERT HARVEY, BART.

ROWLAND WARD  
& Co., LIMITED.

PALLAH ANTELOPE.

*ÆPYCEROS MELAMPUS.*





**IMPALA ANTELOPE** (*Æpyceros melampus*).

*Bechuana name*—"Pallah."

*Habitat*—South, East, and West Africa.

Length.		Circumference.	Tip to Tip.	Widest outside.	Habitat.	Owner.
Straight.	Round Bend.					
21½	...	6	16	17	East Africa ...	Rowland Ward's Collection.
21⅞	25	5⅞	17⅞	...	Do. ...	F. J. Jackson.
21	25¼	5⅞	18	...	Do. ...	Do.
21	27½	5⅞	14¼	...	South Africa	W. Burchell, British Museum.
20½	...	5¾	15	18	East Africa ...	W. Astor Chanler.
20½	...	5⅞	11½	...	Do. ...	H. C. V. Hunter.
20½	25¼	5	12⅞	...	Do. ...	F. J. Jackson.
20⅝	23⅝	6	14½	...	Do. ...	Sir Robert Harvey, Bart.
20	...	...	...	16	Chobe River	F. C. Selous, 1879, "A Hunter's Wanderings."
20	...	...	...	18	East Africa ...	Sir J. Willoughby, "East Africa and its Big Game."
20	...	5¾	14¾	18	Africa ...	R. P. Carrol.
19¾	24⅞	5⅞	11⅞	...	Do. ...	Sir Edmund G. Loder, Bart.
19¾	24½	5½	12¼	...	South Africa	F. C. Selous.
19⅝	23⅝	5¾	10¼	...	Do.	The late J. S. Jameson.
19½	24¼	6	15⅝	...	East Africa ...	Sir Robert Harvey, Bart.
19½	23⅞	5¾	13¾	...	Do. ...	H. C. V. Hunter.
19¼	24⅝	6	9⅞	...	Do. ...	Sir Robert Harvey, Bart.
19¼	25⅞	6	7	...	Do. ...	H. C. V. Hunter.
19¼	23⅝	6	10¼	...	South Africa	A. Beit.



IMPALA ANTELOPE (*Æpyceros melampus*)—*continued*.

Length.		Circumference.	Tip to Tip.	Widest outside.	Habitat.	Owner.
Straight.	Round Bend.					
19 $\frac{1}{8}$	24 $\frac{1}{2}$	5 $\frac{5}{8}$	12 $\frac{3}{8}$	...	South Africa	British Museum.
19	24 $\frac{1}{2}$	6	11 $\frac{5}{8}$	...	... ..	J. Carr-Saunders.
19	24 $\frac{1}{8}$	5 $\frac{7}{8}$	8 $\frac{1}{8}$	...	East Africa ...	H. C. V. Hunter.
19	...	5 $\frac{1}{2}$	12 $\frac{1}{2}$	16	South Africa	Gen. Mathews.
19	23 $\frac{1}{2}$	5 $\frac{7}{8}$	14 $\frac{1}{4}$	...	East Africa ...	Sir Robert Harvey, Bart.
19	...	6	21	20	South Africa	Rowland Ward's Collection.
18 $\frac{7}{8}$	24	5 $\frac{1}{2}$	14	...	Limpopo River	W. C. Oswell.
18 $\frac{3}{4}$	23 $\frac{1}{4}$	6	12 $\frac{1}{4}$	...	Kaoko Land, West Africa.	Capt. F. Cookson.
18 $\frac{5}{8}$	23	6 $\frac{1}{8}$	11 $\frac{3}{8}$	...	East Africa ...	H. C. V. Hunter.
18 $\frac{5}{8}$	24 $\frac{3}{8}$	5 $\frac{3}{4}$	10 $\frac{1}{4}$	...	Do. ...	Sir Robert Harvey, Bart.
18 $\frac{5}{8}$	23	5 $\frac{7}{8}$	13 $\frac{3}{8}$	...	Do. ...	Do.
...	23 $\frac{5}{8}$	5 $\frac{1}{2}$	9 $\frac{3}{8}$	...	Do. ...	Hon. Walter Rothschild.
18 $\frac{1}{2}$	23 $\frac{1}{2}$	5 $\frac{7}{8}$	11 $\frac{1}{4}$	...	South Africa	The late J. S. Jameson.
18 $\frac{3}{8}$	22 $\frac{1}{4}$	5 $\frac{1}{2}$	13 $\frac{1}{8}$	...	East Africa ...	H. C. V. Hunter.
18 $\frac{1}{8}$	25 $\frac{1}{8}$	5 $\frac{1}{2}$	10 $\frac{1}{2}$	...	South Africa	F. C. Selous.
18	22 $\frac{1}{2}$	5 $\frac{3}{4}$	10 $\frac{5}{8}$	...	East Africa ...	Sir Robert Harvey, Bart.
18	21 $\frac{1}{2}$	5 $\frac{5}{8}$	12 $\frac{3}{4}$	...	South Africa	A. Beit.
17 $\frac{1}{2}$	22 $\frac{7}{8}$	5 $\frac{5}{8}$	6 $\frac{1}{4}$	...	East Africa ...	Sir Robert Harvey, Bart.
17 $\frac{1}{2}$	22 $\frac{3}{4}$	5 $\frac{1}{2}$	13 $\frac{1}{8}$	...	South Africa	British Museum.
17 $\frac{5}{8}$	21 $\frac{3}{4}$	6	10 $\frac{1}{8}$	...	Do.	F. C. Selous.
17 $\frac{1}{4}$	21 $\frac{1}{2}$	5 $\frac{1}{2}$	12 $\frac{3}{4}$	...	... ..	E. Lort-Phillips.
17 $\frac{1}{8}$	20 $\frac{1}{2}$	5 $\frac{7}{8}$	11 $\frac{1}{2}$	...	East Africa ...	Sir Robert Harvey, Bart.
17 $\frac{1}{8}$	23 $\frac{1}{4}$	5 $\frac{5}{8}$	7 $\frac{7}{8}$	14 $\frac{3}{4}$	Africa ...	Hon. A. O. Murray.
17	...	5 $\frac{3}{4}$	8 $\frac{3}{4}$	14	South Africa	A. W. Davis.
16 $\frac{3}{8}$	19 $\frac{3}{8}$	5 $\frac{3}{8}$	10 $\frac{1}{4}$	...	Do.	Sir Victor Brooke's Collection.
16 $\frac{3}{8}$	19 $\frac{7}{8}$	4 $\frac{3}{4}$	7 $\frac{3}{8}$	...	Do.	G. H. Banks.
16 $\frac{1}{4}$	19 $\frac{3}{4}$	5 $\frac{1}{8}$	12 $\frac{7}{8}$	...	Do.	F. C. Selous.
15 $\frac{7}{8}$	21 $\frac{3}{4}$	5 $\frac{3}{4}$	6 $\frac{1}{2}$	...	Do.	W. Burchell, British Museum.

**SAIGA** (*Saiga tartarica*).*Habitat*—Eastern Europe and Western Asia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
14 $\frac{3}{8}$	5 $\frac{1}{4}$	3 $\frac{1}{2}$	... ..	Hon. Walter Rothschild.
13 $\frac{3}{4}$	5	...	... ..	Sir Edmund G. Loder, Bart.
13 $\frac{3}{4}$	4 $\frac{3}{8}$	3 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
13 $\frac{5}{8}$	5	5 $\frac{1}{2}$	Sarepta, South Russia.	British Museum.
13 $\frac{3}{8}$	5 $\frac{3}{8}$	4 $\frac{3}{8}$	... ..	Hon. Walter Rothschild.
12 $\frac{7}{8}$	5 $\frac{3}{8}$	(single horn)	Russia ... ..	British Museum.
12 $\frac{7}{8}$	4 $\frac{5}{8}$	5 $\frac{3}{8}$	Sarepta, South Russia.	Do.
12 $\frac{7}{8}$	4 $\frac{5}{8}$	(single horn)	Russia ... ..	Do.
12 $\frac{3}{4}$	4 $\frac{7}{8}$	4 $\frac{1}{2}$	... ..	Do.
11 $\frac{1}{2}$	4 $\frac{3}{4}$	4 $\frac{5}{8}$	... ..	Rowland Ward's Collection.
11 $\frac{1}{4}$	4 $\frac{3}{4}$	5	... ..	British Museum.
11	4 $\frac{7}{8}$	4 $\frac{1}{2}$	Siberia ... ..	Do.

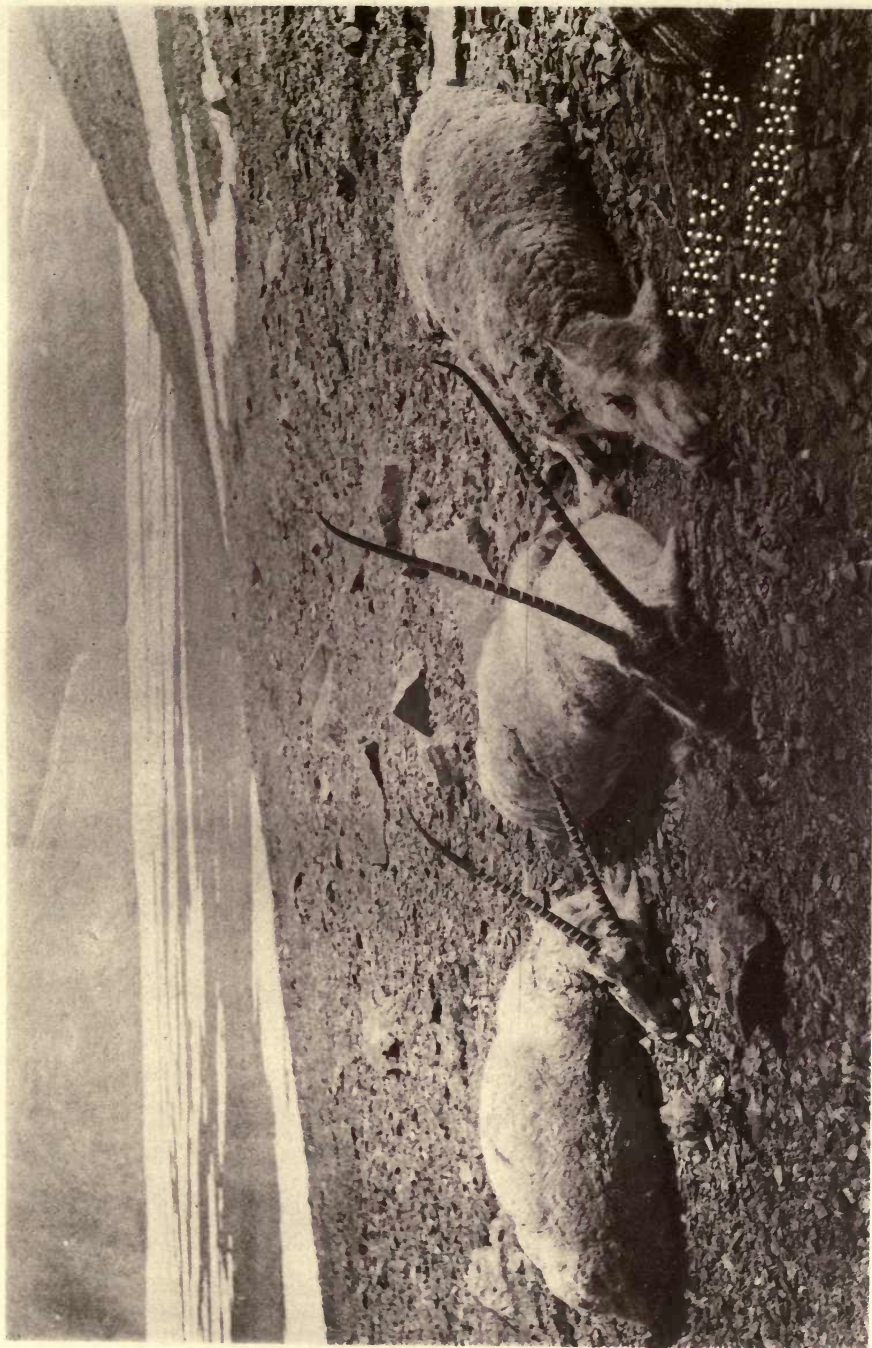




**THIBET ANTELOPE (CHIRU) (*Pantholops hodgsoni*).**

*Habitat*—Western Thibet and Turkestan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
27 $\frac{7}{8}$	5 $\frac{7}{8}$	13 $\frac{1}{2}$	India ... ..	A. O. Hume, Private Collection.
27 $\frac{5}{8}$	5 $\frac{1}{2}$	11 $\frac{1}{4}$	Do. ... ..	Sir Robert Harvey, Bart.
27 $\frac{1}{8}$	5 $\frac{1}{2}$	15 $\frac{1}{8}$	Do. ... ..	A. O. Hume, Private Collection.
26 $\frac{3}{8}$	5 $\frac{7}{8}$	13 $\frac{5}{8}$	Do. ... ..	Hon. Charles Ellis.
25 $\frac{1}{2}$	5 $\frac{1}{2}$	12 $\frac{1}{2}$	Do. ... ..	Capt. G. Campbell.
25 $\frac{3}{8}$	5 $\frac{5}{8}$	12 $\frac{1}{2}$	Do. ... ..	Hume Collection, British Museum.
25 $\frac{1}{4}$	5 $\frac{3}{4}$	12 $\frac{3}{4}$	Do. ... ..	Do.
24 $\frac{7}{8}$	5 $\frac{3}{4}$	13 $\frac{7}{8}$	Do. ... ..	Do.
24 $\frac{3}{4}$	5 $\frac{3}{4}$	10	Do. ... ..	Do.
24 $\frac{3}{4}$	5 $\frac{5}{8}$	11 $\frac{1}{2}$	Do. ... ..	Sir Edmund G. Loder, Bart.
24 $\frac{3}{4}$	5 $\frac{5}{8}$	14 $\frac{1}{2}$	Do. ... ..	Hume Collection, British Museum.
24 $\frac{5}{8}$	5 $\frac{3}{8}$	11 $\frac{3}{4}$	Do. ... ..	Sir Robert Harvey, Bart.
24 $\frac{3}{8}$	5 $\frac{3}{4}$	15 $\frac{1}{4}$	Do. ... ..	Hume Collection, British Museum.



SHOT BY H. C. V. HUNTER.

TIBET ANTELOPE.

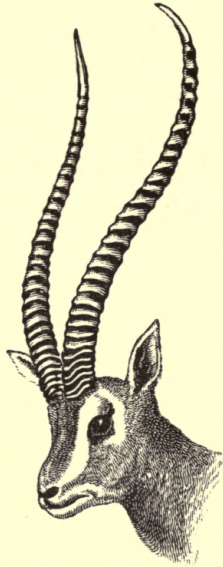




THIBET ANTELOPE (CHIRU) (*Pantholops hodgsoni*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
24 $\frac{3}{8}$	5 $\frac{1}{4}$	16 $\frac{1}{2}$	India ... ..	British Museum.
24 $\frac{1}{4}$	5 $\frac{1}{2}$	11	Do. ... ..	Sir Robert Harvey, Bart.
24 $\frac{1}{4}$	5 $\frac{1}{8}$	13 $\frac{3}{4}$	Do. ... ..	British Museum.
24	5 $\frac{1}{2}$	12 $\frac{1}{2}$	Do. ... ..	Hume Collection, British Museum.
24	5 $\frac{3}{8}$	14 $\frac{3}{8}$	Do. ... ..	B. H. Hodgson, British Museum.
23 $\frac{3}{4}$	5 $\frac{1}{4}$	14 $\frac{1}{2}$	Do. ... ..	British Museum.
23 $\frac{5}{8}$	5 $\frac{1}{4}$	11 $\frac{5}{8}$	Do. ... ..	H. C. V. Hunter.
23 $\frac{1}{2}$	5	14 $\frac{3}{4}$	Do. ... ..	Reginald Beech.
23 $\frac{3}{8}$	5 $\frac{1}{8}$	10 $\frac{3}{8}$	Do. ... ..	H. C. V. Hunter.
23 $\frac{3}{8}$	5 $\frac{1}{8}$	9 $\frac{7}{8}$	Do. ... ..	Do.
23 $\frac{1}{4}$	5 $\frac{3}{8}$	14 $\frac{5}{8}$	Do. ... ..	Hon. Walter Rothschild.
23 $\frac{1}{4}$	5 $\frac{1}{4}$	14 $\frac{1}{8}$	Do. ... ..	Rowland Ward's Collection.
23 $\frac{1}{4}$	5 $\frac{1}{4}$	10 $\frac{7}{8}$	Do. ... ..	J. Carr-Saunders.
23 $\frac{1}{8}$	5 $\frac{1}{8}$	9 $\frac{1}{2}$	Do. ... ..	Sir Victor Brooke's Collection.
22 $\frac{7}{8}$	5 $\frac{3}{8}$	13 $\frac{1}{2}$	Ladak (15,000 ft.)	R. Lydekker, British Museum.
22 $\frac{3}{4}$	5 $\frac{1}{2}$	11 $\frac{3}{8}$	... ..	H. C. V. Hunter.
22 $\frac{5}{8}$	5 $\frac{1}{8}$	15 $\frac{1}{8}$	Nepal ... ..	B. H. Hodgson, British Museum.
22 $\frac{1}{2}$	5	12	India ... ..	F. Morrice.
22 $\frac{3}{8}$	5 $\frac{5}{8}$	10 $\frac{3}{4}$	Do. ... ..	H. C. V. Hunter.
22 $\frac{3}{8}$	5 $\frac{1}{4}$	11 $\frac{1}{8}$	Do. ... ..	Hon. Charles Ellis.
22	5 $\frac{1}{8}$	11 $\frac{3}{8}$	Do. ... ..	H. C. V. Hunter.
21 $\frac{3}{4}$	5 $\frac{3}{8}$	12 $\frac{1}{4}$	Do. ... ..	Hume Collection, British Museum.
20 $\frac{5}{8}$	5	11 $\frac{7}{8}$	Do. ... ..	H. C. V. Hunter.
20 $\frac{1}{2}$	5	9 $\frac{1}{2}$	Do. ... ..	Capt. M. Murphy.
20 $\frac{3}{8}$	5 $\frac{1}{4}$	10 $\frac{1}{4}$	Do. ... ..	Hume Collection, British Museum.
19 $\frac{3}{4}$	5 $\frac{1}{2}$	11 $\frac{1}{2}$	Do. ... ..	H. C. V. Hunter.
19	5 $\frac{1}{8}$	9 $\frac{3}{4}$	Do. ... ..	Do.





**GRANT'S GAZELLE** (*Gazella granti*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1878, p. 723.]

GENERAL colour, very rich fawn tinged with purple, the neck and back in certain lights mottled like watered silk; this pattern is gained by indefinitely bounded bands of darker hair. Central facial band darker than the neck and body and strongly tinged with rufous on the forehead; a large black patch above the nostrils; large facial streaks very definite, white; dark facial streak black, extending from the base of the horn to the eye, which it almost encircles, and from the eye to above the corners of the mouth; posterior to the eye is a small white patch; external surface of the ear-conchs streaked with dark brown; dark lateral and pygal bands distinctly marked, the former grizzled, the latter very broad and jet-black; lower two thirds of the tail black, the upper third white; the tip of the tail is tufted; for the remainder of its length, it is furnished with coarse hairs which project at right angles to its axis; chin, lower surface of the head, breast, belly, inside of limbs, and

rump white; the white of the rump extending forwards in an angle into the darker colour of the body; knee-brushes of moderate length, grizzled; horns of great length in both sexes, much compressed from side to side, marked by strong annulations which completely surround the horn for the proximal half of its length, but become obsolete on the posterior surface of its distal or upper half. The horns diverge at first gradually, then more boldly, their tips converging and giving to the set of the horns a remarkably perfect lyrate form.

*Comparison with allied Species.*

*Gazella granti* belongs, as pointed out in my former description, to the group of long-limbed large Gazelles which are distinguished by the white of the rump projecting in an angle into the fawn-colour of the back and sides (*vide* P.Z.S. 1873, p. 537, B.). The allied species are *G. sømmerringi*, *mohr*, and *dama*. From all these it differs in the very much greater size, and in the form of the horns. It is also peculiar in the presence of the dark lateral band, which is wanting in the three above-named species, and in the remarkably definite black pygal band, which is only shown in very young specimens of *G. sømmerringi*, is absent entirely in *G. dama*, and only indefinitely shown in *G. mohr*. In the watered-silk mottling of the neck and back *Gazella granti* differs from all other known Gazelles.

*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
30	...	10	East Africa ...	Sir John Willoughby, Bart., "East Africa and its Big Game."
28½	6½	15½	Do. ...	F. J. Jackson.
27⅞	6⅞	18⅞	Do. ...	H. C. V. Hunter.
27⅞	6¾	21½	Do. ...	F. J. Jackson.
27¼	6½	18⅞	Do. ...	Sir Robert Harvey, Bart.



GRANT'S GAZELLE (*Gazella granti*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
27	...	16	East Africa ...	Sir John Willoughby, Bart.
26 $\frac{3}{4}$	6 $\frac{3}{4}$	12 $\frac{1}{2}$	Do. ...	H. C. V. Hunter.
26 $\frac{1}{2}$	7 $\frac{1}{2}$	13 $\frac{1}{4}$	Do. ...	F. J. Jackson.
26 $\frac{3}{8}$	6 $\frac{7}{8}$	17 $\frac{7}{8}$	Do. ...	H. C. V. Hunter.
26 $\frac{1}{4}$	6 $\frac{3}{8}$	16 $\frac{3}{4}$	Do. ...	Sir Victor Brooke's Collection.
26	6 $\frac{3}{4}$	15 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
25 $\frac{3}{4}$	6 $\frac{7}{8}$	15 $\frac{5}{8}$	Do. ...	Do.
25 $\frac{1}{2}$	6 $\frac{5}{8}$	11	Do. ...	F. J. Jackson.
25 $\frac{1}{2}$	7	14 $\frac{1}{2}$	... ...	Rowland Ward's Collection.
25	6 $\frac{1}{2}$	14	East Africa ...	T. W. H. Greenfield.
24 $\frac{1}{8}$	6 $\frac{3}{4}$	11 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.
24	6	14	Do. ...	Sir John Willoughby, Bart.
24	6 $\frac{1}{2}$	9 $\frac{1}{4}$	Do. ...	Rowland Ward's Collection.
23 $\frac{5}{8}$	7	12 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
23 $\frac{5}{8}$	6 $\frac{1}{2}$	13 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.
23 $\frac{5}{8}$	6 $\frac{3}{8}$	11 $\frac{1}{8}$	Do. ...	Sir Robert Harvey, Bart.
23 $\frac{1}{2}$	7 $\frac{1}{8}$	11 $\frac{3}{4}$	Do. ...	Do.
23	7 $\frac{1}{4}$	9	Do. ...	E. Gedge.
23	6 $\frac{5}{8}$	10 $\frac{5}{8}$	Do. ...	Sir Robert Harvey, Bart.
22 $\frac{3}{4}$	6 $\frac{3}{8}$	12 $\frac{1}{8}$	Do. ...	Hon. Walter Rothschild.
22 $\frac{5}{8}$	6 $\frac{1}{8}$	16 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
22 $\frac{1}{2}$	6 $\frac{3}{8}$	11 $\frac{1}{2}$	Do. ...	Do.
22 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{3}{4}$	Do. ...	F. J. Jackson.
22 $\frac{1}{4}$	6 $\frac{1}{2}$	9 $\frac{7}{8}$	Do. ...	H. C. V. Hunter.
22 $\frac{1}{5}$	6 $\frac{3}{8}$	5 $\frac{7}{8}$	Mount Land ...	F. J. Jackson, British Museum.
22	7	9	East Africa ...	E. Gedge.
22	6 $\frac{1}{2}$	14 $\frac{1}{2}$	Do. ...	W. Astor Chanler.

GRANT'S GAZELLE (*Gazella granti*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
21 $\frac{3}{4}$	6 $\frac{1}{2}$	15	East Africa ...	R. P. Carrol.
21	5 $\frac{3}{8}$	7	Do. ...	F. J. Jackson.
20 $\frac{3}{4}$	6 $\frac{3}{8}$	9 $\frac{7}{8}$	Do. ...	J. Carr-Saunders.
20 $\frac{1}{4}$	5 $\frac{5}{8}$	8 $\frac{1}{8}$	Do. ...	British Museum.
19 $\frac{7}{8}$	5 $\frac{3}{4}$	6 $\frac{5}{8}$	Do. ...	F. J. Jackson.
19 $\frac{5}{8}$	6 $\frac{1}{2}$	7 $\frac{1}{8}$	River Juba, Somali Land.	Sir John Kirk, M.D., K.C.B.
18 $\frac{5}{8}$	6 $\frac{1}{4}$	8 $\frac{1}{4}$	Do.	Do.
17 $\frac{3}{4}$	6 $\frac{1}{8}$	5 $\frac{3}{4}$	Do.	Do.
♀ 17 $\frac{1}{2}$	3 $\frac{3}{4}$	9	East Africa ...	H. C. V. Hunter.
♀ 17	...	6	... ..	Sir John Willoughby, Bart., "East Africa and its Big Game."
17	6 $\frac{1}{8}$	11 $\frac{1}{4}$	South Somali Land	Sir John Kirk, M.D., K.C.B., British Museum.
♀ 15	4	6 $\frac{3}{4}$	East Africa ...	E. Gedge.
♀ 12 $\frac{3}{8}$	3 $\frac{1}{2}$	7 $\frac{3}{4}$	South Somali Land	Sir John Kirk, M.D., K.C.B., British Museum.
♀ 12 $\frac{1}{4}$	3 $\frac{3}{8}$	5 $\frac{5}{8}$	River Juba, Somali Land.	Sir John Kirk, M.D., K.C.B.





**SCHEMMERRING'S GAZELLE** (*Gazella scemmerringi*).

(*Somali name*—"Awal.")

[Sir VICTOR BROOKE, Bart., P.Z.S., 1873, p. 549.]

HAIR smooth and short. Facial band blackish, slightly rufous between the horns; light facial streak white, well marked; dark facial streak blackish, very definite, running through the eye and leaving its upper end as a black spot isolated above it. A spot below the eye, chin, throat, and a spot in front of the neck white; lateral bands wanting; breast, belly, tail, and rump white, the white of the latter encroaching into the sandy fawn-colour of the rest of the body and the haunches. Knee-brushes well developed. Ears long, bordered externally with black. Horns in the male lyrate, massive, and strongly annulated, well developed but less massive in the female. Height about 30 in.

*Habitat*—Abyssinian coast of the Red Sea, Danakil and Somali countries, Berber, and East Senaar (Henglin).

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
19½	5½	5½	Somali Land ...	T. W. H. Clarke.
19¼	5½	6½	Do.	Do.
19	5¾	3	Do.	Gen. Trewell.
19	5	4	Do.	Col. A. Paget.
♀ 18¼	5¼	6	Do.	T. W. H. Clarke.
18½	5¾	4½	Do.	W. D. James.
18	5¼	7	Do.	Marquis of Ailsa.
18	5	3¼	Do.	T. W. H. Clarke.

SCHEMMERRING'S GAZELLE (*Gazella schemmerringi*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
17 $\frac{3}{4}$	5 $\frac{5}{8}$	3 $\frac{1}{2}$	Somali Land ...	W. D. James.
17 $\frac{3}{8}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	Do.	A. H. Straker.
17	5 $\frac{1}{2}$	4 $\frac{3}{4}$	Do.	Capt. Bartelot.
17 $\frac{3}{8}$	5 $\frac{1}{8}$	2 $\frac{1}{2}$	Do.	C. Liddell.
17 $\frac{1}{4}$	5	4 $\frac{1}{4}$	Do.	C. Liddell.
17	5 $\frac{1}{4}$	3 $\frac{1}{4}$	Do.	Hon. Walter Rothschild.
16 $\frac{7}{8}$	5 $\frac{3}{8}$	6 $\frac{1}{8}$	Abyssinia ...	British Museum.
16 $\frac{1}{2}$	5 $\frac{1}{4}$	7	Somali Land ...	Capt. H. G. C. Swayne.
16 $\frac{1}{2}$	5 $\frac{1}{8}$	3 $\frac{3}{8}$	Do.	T. W. H. Clarke.
16 $\frac{3}{8}$	5	1 $\frac{3}{4}$	Do.	E. Lort-Phillips.
16	3 $\frac{3}{8}$	3 $\frac{3}{8}$	Do.	E. P. Hare.
16	5	4 $\frac{7}{8}$	Do.	E. Lort-Phillips.
♀ 16	3 $\frac{1}{8}$	6	Do.	Rowland Ward's Collection.
15 $\frac{1}{2}$	5 $\frac{1}{2}$	4 (owner's measurement)	Do.	J. D. Inverarity.
15 $\frac{3}{8}$	5 $\frac{1}{8}$	7 $\frac{1}{8}$	Do.	J. Carr-Saunders.
15 $\frac{1}{2}$	5 $\frac{3}{8}$	5	Soudan ...	Col. Ralph Vivian.
15 $\frac{3}{8}$	5 $\frac{1}{8}$	3 $\frac{3}{8}$	Somali Land ...	Lord Delamere.
♀ 15 $\frac{3}{8}$	3 $\frac{3}{8}$	5 $\frac{3}{8}$	Do.	W. D. James.
14 $\frac{3}{4}$	5 $\frac{1}{2}$	4 $\frac{1}{4}$	... ..	B. Cotton.
14 $\frac{1}{2}$	5 $\frac{1}{8}$	5 $\frac{1}{2}$	... ..	Capt. W. H. Besant.
14 $\frac{1}{2}$	5	6 $\frac{1}{8}$	... ..	Do.
14 $\frac{1}{2}$	5	4	Soudan ...	Col. Ralph Vivian.
14 $\frac{3}{8}$	5 $\frac{1}{8}$	5 $\frac{7}{8}$	Somali Land ...	Lord Delamere.
♀ 14 $\frac{1}{4}$	2 $\frac{3}{4}$	10 $\frac{1}{4}$	Do.	C. H. Villiers.
14 $\frac{1}{8}$	5 $\frac{3}{8}$	1 $\frac{1}{4}$	Bogos Country, Abyssinia.	British Museum.
14	3 $\frac{5}{8}$	6 $\frac{1}{4}$	Somali ...	Lord Delamere.
14	5 $\frac{1}{2}$	5 $\frac{1}{2}$	Soudan ...	Col. A. Paget.



**SÖMMERRING'S GAZELLE** (*Gazella sømmerringi*)—*continued.*

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{3}{4}$	5 $\frac{1}{2}$	6	... ..	W. D. James.
13 $\frac{3}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{8}$	... ..	Capt. W. H. Besant.
13 $\frac{1}{2}$	5 $\frac{1}{4}$	4	North-East Africa.	Sir Victor Brooke's Collection.
13 $\frac{1}{2}$	5 $\frac{3}{8}$	5 $\frac{5}{8}$	... ..	Hon. Walter Rothschild.
13 $\frac{1}{4}$	5 $\frac{1}{8}$	6 $\frac{1}{2}$	... ..	Capt. W. H. Besant.
13	5 $\frac{1}{2}$	5	... ..	Do.
♀ 12 $\frac{5}{8}$	3 $\frac{1}{2}$	8 $\frac{1}{4}$	Soudan	Col. Ralph Vivian.
♀ 12 $\frac{1}{2}$	3 $\frac{5}{8}$	7 $\frac{1}{8}$	Do.	Do.
12 $\frac{3}{8}$	5 $\frac{1}{8}$	4 $\frac{3}{4}$	... ..	Rowland Ward's Collection.
♀ 12	3 $\frac{1}{4}$	5 $\frac{1}{8}$	Abyssinia	Sir Victor Brooke's Collection.
12	4 $\frac{7}{8}$	3	... ..	Capt. J. J. Palmer.
11 $\frac{1}{8}$	4 $\frac{3}{4}$	4	... ..	J. Carr-Saunders.
♀ 8 $\frac{1}{2}$	3 $\frac{3}{4}$	5 $\frac{1}{2}$	... ..	Hon. Walter Rothschild.

**MOHR** (*Gazella mohr*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 548.]

HAIR close-set and smooth; central facial band grizzled rufous above, fading away below into the dirty white of the lower parts of the face and cheeks; dark facial streak thin, but definite, black; spot on the throat, breast, belly, anterior of hind legs and posterior of fore legs, rump, and tail (with the exception of the black tip) white; the white of the rump projects forwards into the deep rufous fawn-colour of the neck, back, sides, and haunches; this colour, which is darkest on the neck, runs down the front of the fore and outside of the hind extremities; lateral bands wanting; pygal band blackish rufous, very thin and short; ears moderate; horns in both sexes; in the male very massive and rather short, strongly annulated, the points projecting suddenly and boldly forwards; knee-brushes long; height about 34 in.

The Mohr or Mhore, is 4 ft. 2 in. long from the nose to the origin of the tail, 2 ft. 6 in. high at the shoulder, and 2 ft. 8 in. at the croup; the length of the head from the nose to the root of the horn is 7 in.; that of the horn  $9\frac{1}{2}$  in. on the curve, and  $7\frac{1}{2}$  in. in a straight line; and that of the tail 7 in. without the terminal tuft.

*Habitat*—Senegal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ 12	3 $\frac{1}{4}$	5 $\frac{1}{8}$	Abyssinia ...	Sir Victor Brooke's Collection.
7	4 $\frac{1}{4}$	2 $\frac{1}{2}$	Do. ...	Dr. Ruppell, British Museum.





**SOMALI LOWLAND GAZELLE** (*Gazella spekei*).

(*Somali name*—"Dhero.")

*Habitat*—Somali, North-East Africa.

This gazelle has also been named *Gazella nasu*.

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
11½	4¾	2¾	Somali Land ...	T. W. H. Clarke.
11¼	4½	4¼	Do. ...	Do.
11⅛	4	5¼	Do. ...	C. Liddell.
11	3⅞	4⅛	Do. ...	Capt. H. G. C. Swayne.
10⅞	3⅞	2⅞	Do. ...	T. W. H. Clarke.
10¾	4½	4	Do. ...	Do.
10¾	3¾	3¾	Do. ...	E. Lort-Phillips.

**SOMALI LOWLAND GAZELLE** (*Gazella spekei*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
10 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{1}{4}$	Somali Land ...	Col. A. Paget.
10 $\frac{1}{2}$	3 $\frac{7}{8}$	4 $\frac{1}{8}$	Do. ...	A. H. Straker.
10 $\frac{3}{8}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	Do. ...	E. Lort Phillips.
10 $\frac{1}{4}$	4	3 $\frac{7}{8}$	Do. ...	T. W. H. Clarke.
10 $\frac{1}{8}$	3 $\frac{7}{8}$	4 $\frac{1}{2}$	Do. ...	Hon. Walter Rothschild.
10 $\frac{1}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	Do. ...	W. D. James.
10	4	4 $\frac{3}{4}$	Do. ...	Rowland Ward's Collection.
10	4	(owner's measurement)	Do. ...	J. D. Inverarity.
♀ 9 $\frac{1}{2}$	2 $\frac{7}{8}$	3 $\frac{1}{4}$	Do. ...	T. W. H. Clarke.
♀ 9	2 $\frac{1}{2}$	(owner's measurement)	Do. ...	J. D. Inverarity.

**SOMALI PLATEAU GAZELLE** (*Gazella pelzelni*).

THIS is common round Berbera, but is replaced by *Gazella spekei* when the Somali plateau is reached. It has often been mistaken for *Gazella spekei*, but can readily be distinguished from that species by its straighter horns and the absence of the loose skin on the nose.

*Habitat*—North-East Africa, Somali.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12 $\frac{1}{4}$	4 $\frac{1}{8}$	5 $\frac{1}{2}$	Somali Land ...	Lord Delamere.
11 $\frac{1}{2}$	3 $\frac{1}{2}$	5 $\frac{1}{2}$	Do. ...	T. W. H. Clarke.
♀ 7 $\frac{5}{8}$	1 $\frac{3}{4}$	2 $\frac{3}{4}$	Do. ...	Do.
5 $\frac{3}{8}$	1 $\frac{1}{8}$	3 $\frac{3}{8}$	Do. ...	C. H. Villiers.



**ARABIAN GAZELLE** (*Gazella arabica*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 544.]

HAIR very short and smooth; central facial band rich bay above, darker below, forming a nose-spot; light facial streak very strongly marked, running from the base of the horn over the eye, stopping just below the nose-spot; dark facial streak distinct, blackish; breast and belly white; dark lateral and pygal bands grizzly brown; light lateral band grizzly fawn; upper parts of the sides and back rich grizzled bay in adult specimens, the younger animals being greyer; knee-brushes well developed, blackish; tail black; horns massive, the annulations wide apart, diverging gradually from two-thirds their length, the upper third diverging more decidedly, and leaning a little forwards; ears moderate; size about equal to that of *Gazella dorcas*.

*Habitat*—South Arabia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
8½	4	2	Mosha, South Arabia.	W. T. Blandford, British Museum.
4¾	3½	3½	... ..	Sir Victor Brooke's Collection.

**DORCAS GAZELLE** (*Gazella Dorcas*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 538.]

HAIR rather long and coarse; central facial band rufous above, inclining to fawn-colour towards the nostrils; a dark nose-spot sometimes present, not depending on age or sex; light facial streak distinct, encircling the eye; dark facial streak definite, brownish rufous; upper and under lip, breast, and belly white; dark lateral and pygal bands very definite, rufous brown; light lateral band distinguishable from the rich fawn-colour of the upper parts of the back by

its more silvery hue; knee-brushes well developed, in colour variable; tail black, long, and tapering; horns long and annulated, rather slender, with their points bent inwards and forwards; ears about  $5\frac{1}{2}$  in.; height at shoulder barely 24 in.

*Habitat*—Syria, North Arabia, Egypt, Algeria, Morocco, and Senegal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$13\frac{1}{4}$	$3\frac{5}{8}$	(touch)	Algeria ... ..	Rowland Ward's Collection.
$13\frac{1}{8}$	$4\frac{1}{4}$	$2\frac{1}{2}$	Do. ... ..	Sir Edmund G. Loder, Bart.
$13\frac{1}{8}$	$3\frac{1}{2}$	2	Do. ... ..	Do.
$12\frac{1}{2}$	$3\frac{5}{8}$	$4\frac{3}{4}$	Do. ... ..	Rowland Ward's Collection.
$12\frac{3}{8}$	$3\frac{3}{4}$	$2\frac{3}{4}$	Do. ... ..	Sir Edmund G. Loder, Bart.
$12\frac{3}{8}$	$3\frac{3}{8}$	...	... ..	British Museum.
$12\frac{1}{8}$	4	$2\frac{1}{2}$	Algeria ... ..	Rowland Ward's Collection.
$11\frac{7}{8}$	$3\frac{5}{8}$	$4\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
$11\frac{1}{4}$	$3\frac{1}{2}$	$3\frac{7}{8}$	... ..	E. N. Buxton.
11	$3\frac{7}{8}$	$3\frac{1}{8}$	... ..	British Museum.
$10\frac{1}{8}$	4	$2\frac{1}{4}$	Shores of Red Sea	Do.
$10\frac{1}{8}$	$3\frac{5}{8}$	$2\frac{3}{4}$	Nubia ... ..	Sir Victor Brooke's Collection.
$9\frac{7}{8}$	4	$4\frac{1}{8}$	... ..	E. Lort-Phillips.
$9\frac{1}{2}$	$3\frac{1}{2}$	$3\frac{7}{8}$	... ..	British Museum.
$8\frac{7}{8}$	4	$4\frac{1}{8}$	... ..	E. Lort-Phillips.
$8\frac{7}{8}$	$3\frac{3}{8}$	$3\frac{1}{4}$	... ..	British Museum.
$8\frac{1}{8}$	$3\frac{5}{8}$	$2\frac{3}{4}$	... ..	Capt. J. J. Palmer.
8	$3\frac{1}{2}$	$4\frac{1}{2}$	Shores of Red Sea	British Museum.
$9\frac{6}{8}$	$2\frac{1}{4}$	$2\frac{1}{4}$	... ..	Capt. J. J. Palmer.



**ISABELLA GAZELLE** (*Gazella isabella*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 539.]

HAIR very short and soft; central facial band sandy-rufous; nose-spot absent; light facial streak present but indefinite, running into the dark facial streak, which is in some specimens but faintly marked; dark lateral band almost obsolete; light lateral band of a delicate pale fawn-colour, distinctly visible against the isabelline sandy fawn-colour of the back and haunches; tail variable, but generally rufous for a large part of its length, the tip blackish; horns short, massive, and strongly ringed, the tips bent suddenly forwards and inwards; ears very long; height less than that of the last species (barely 24 in. at shoulder).

*Habitat*—Kordofan, Senaar.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
10 $\frac{1}{4}$	3 $\frac{3}{4}$	2 $\frac{3}{4}$	Anseba River, Abyssinia.	Sir Victor Brooke's Collection.
10 $\frac{1}{8}$	3 $\frac{3}{4}$	4	Komayli, Abyssinia	W. T. Blandford, British Museum.
9 $\frac{3}{4}$	3 $\frac{3}{4}$	2 $\frac{3}{8}$	Bogos Land ...	Sir Victor Brooke's Collection.
♀ 7	2	3	... ...	Do.
♀ 7	1 $\frac{7}{8}$	2 $\frac{3}{8}$	Kordofan ...	British Museum.
♀ 6 $\frac{7}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{8}$	Do. ...	Do.

**GAZELLA DAMA.**

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 547.]

HAIR short and smooth; facial and lateral markings wanting; neck, and upper part of the neck, sandy-red; face, spot on the throat, and the rest of the body and limbs white; knee-brushes well developed; ears moderate; horns lyrate, strongly annulated, well developed in both sexes.

*Habitat*—Desert of Korti (Rupp.), Southern Nubia, and Kordofan (Heugl.).

GAZELLA DAMA—*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
11 $\frac{3}{4}$	6	3 $\frac{3}{4}$	Wednoon, Mogador.	W. Willshire, British Museum.
10 $\frac{1}{2}$	4 $\frac{5}{8}$	6 $\frac{3}{8}$	Senegal ... ..	Sir Victor Brooke's Collection.

## GAZELLA RUFIFRONS.

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 540.]

CENTRAL facial streak uniform sandy-yellow; light facial streak indefinite; dark facial hardly distinguishable from the colour of the cheeks, which are sandy-yellow; dark lateral band distinctly marked, brown; light lateral band plainly shown between the dark streak and the yellowish fawn-colour of the back and haunches; pygal-band indistinct; no knee-brushes; height, a little over 2 feet.

*Habitat*—Senegal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
6 $\frac{1}{8}$	2 $\frac{1}{4}$	2 $\frac{7}{8}$	Bogos Country, Abyssinia.	British Museum.

ADDRA GAZELLE (*Gazella ruficollis*).

It is about 5 ft. 4 in. long, and 3 ft. at shoulders; the head is 8 in. long, and tail about 9 in.

*Habitat*—North Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12 $\frac{1}{4}$	4	5 $\frac{5}{8}$	Senaar ... ..	British Museum.
11 $\frac{7}{8}$	5 $\frac{5}{8}$	$\frac{5}{8}$	Kordofan ... ..	Do.



**PERSIAN and YARKUND GAZELLE** (*Gazella subgutturosa*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 545.]

HAIR in winter rough and coarse; in summer, much softer and smoother. During both seasons the dirty-white of the face and cheeks is only relieved by the dark facial streak, which is short and narrow, but defined by a sprinkling of rufous hairs; the lateral and pygal bands are very faintly indicated, the dark bands being more rufous, the light band rather paler than the grey fawn-colour of the upper parts of the body; breast and belly white; tail and ears moderate in length, the former blackish-rufous; horns absent in the female; in the male long, annulated, and lyrate, the points projecting inwards; height, about 26 in.

*Habitat*—High plateau of Persia, Northern Beloochistan, Afghanistan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{3}{4}$	4 $\frac{1}{2}$	6	Saissan, West Siberia.	Dr. O. Finsch, British Museum.
13 $\frac{3}{8}$	4 $\frac{3}{4}$	5 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
13	4 $\frac{1}{2}$	5	... ..	Do.
12 $\frac{3}{4}$	4 $\frac{3}{4}$	4 $\frac{3}{8}$	... ..	Do.
12 $\frac{5}{8}$	4 $\frac{3}{4}$	5 $\frac{1}{4}$	... ..	Do.
11 $\frac{3}{4}$	5	5 $\frac{1}{8}$	... ..	Do.
10 $\frac{3}{4}$	4 $\frac{1}{4}$	6 $\frac{7}{8}$	... ..	Hon. Walter Rothschild.
10 $\frac{5}{8}$	4	3 $\frac{1}{8}$	... ..	Hume Collection, British Museum.
6 $\frac{1}{8}$	3 $\frac{7}{8}$	2	... ..	Do.
5 $\frac{3}{4}$	3 $\frac{3}{8}$	$\frac{6}{8}$	... ..	Do.

**GUTTUROSA ANTELOPE** (*Gazella gutturosa*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 546.]

HAIR in winter long and coarse; anterior part of the face slightly darker than the pale grizzled fawn-colour of the sides of the face, neck, back, sides, and haunches; facial and lateral markings wanting; belly and anal disc, which surrounds the very short tail (the root of which is white, the tip fawn-colour), dirty white.

In summer all the parts which are grizzled fawn in winter are of an "intense isabel yellow" (vid. Radde); ears very short; horns short, weakly annulated, the curves as in the last species (*G. Subgutturosa*), but much less boldly shown; height about 30 in.

Skull: anteorbital fossa very shallow; nasals converge to a point and are rather elongated.

*Habitat*—Mongolia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{1}{8}$	4 $\frac{5}{8}$	6 $\frac{1}{4}$	Mongolia ...	Sir Edmund G. Loder, Bart.
12 $\frac{3}{4}$	4 $\frac{3}{8}$	3 $\frac{3}{8}$	Altai ...	St. George Littledale.
12 $\frac{1}{4}$	4 $\frac{3}{8}$	4 $\frac{3}{4}$	... ..	Do.
11 $\frac{1}{2}$	4 $\frac{7}{8}$	3	Chinese Mongolia	Reginald Beech.
10 $\frac{1}{4}$	4 $\frac{3}{8}$	2 $\frac{3}{4}$	Russia ...	British Museum.
9 $\frac{3}{4}$	4 $\frac{1}{8}$	4 $\frac{3}{8}$	Pekin ...	R. Swinhoe, British Museum.
7 $\frac{3}{8}$	3 $\frac{3}{4}$	2 $\frac{1}{2}$	Do. ...	Do.





**THIBETAN RAVINE DEER** (*Gazella picticaudata*).

Female without Horns.

*Habitat*—Western Thibet and Mongolia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13½	3⅝	5¼	... ..	Hume Collection, British Museum.
13⅛	4	3⅝	Thibet ... ..	H. C. V. Hunter.
13	3⅜	3½	... ..	Do.
12⅞	3⅞	4¼	... ..	A. O. Hume, Private Collection.
12⅞	3⅞	4⅜	... ..	B. H. Hodgson, British Museum.
12¾	3⅞	2½	... ..	Hume Collection, British Museum.
12⅝	3½	2½	... ..	Do.
12¼	3¼	4¼	Thibet ... ..	H. C. V. Hunter.
12⅛	3⅝	3½	Do. ... ..	Do.

THIBETAN RAVINE DEER (*Gazella picticaudata*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12	3 $\frac{3}{8}$	6 $\frac{5}{8}$	... ..	A. O. Hume, Private Collection.
12	3 $\frac{5}{8}$	2 $\frac{1}{2}$	Thibet ... ..	H. C. V. Hunter.
11 $\frac{7}{8}$	3 $\frac{5}{8}$	4 $\frac{1}{2}$	... ..	Sir Edmund G. Loder, Bart.
11 $\frac{5}{8}$	3 $\frac{3}{8}$	5 $\frac{7}{8}$	Thibet ... ..	B. H. Hodgson, British Museum.
11 $\frac{1}{2}$	3 $\frac{5}{8}$	4 $\frac{1}{8}$	... ..	Hon. Walter Rothschild.
11 $\frac{3}{8}$	3 $\frac{1}{4}$	4 $\frac{7}{8}$	... ..	Rowland Ward's Collection.
11 $\frac{1}{4}$	3 $\frac{1}{2}$	4 $\frac{3}{4}$	Thibet ... ..	B. H. Hodgson, British Museum.
11	3 $\frac{5}{8}$	3 $\frac{3}{8}$	Ladak ... ..	R. Lydekker, British Museum.
9 $\frac{7}{8}$	3 $\frac{1}{4}$	3 $\frac{5}{8}$	Thibet ... ..	H. C. V. Hunter.
8	3 $\frac{3}{4}$	3 $\frac{1}{8}$	... ..	Sir Victor Brooke's Collection.





### SPRINGBUCK (*Gazella euchores*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 550.]

HAIR rather long but smooth; the central facial band has the upper part distinctly marked, but ends in a point between the eyes, rufous; the light facial streaks meet below the eyes, white; dark facial streak thin from above, downwards, but very definite, deep rufous; cheeks, line in front of the neck, breast, belly, inside of limbs, dorsal mane, starting from the anterior lumbar region, and tail (with the exception of the long black terminal hairs) white; dark lateral and pygal bands deep rufous, the former very broad and well defined; light lateral band very faintly shown, being of a less rufous tint than the fawn-colour of the shoulders, upper parts of the back, and haunches; ears long; horns in both sexes, but very small in the female; in the male they are truly lyrate, strongly annulated, and massive, of moderate length; knee-brushes absent; height at shoulder about 30 in.

Skull: nasal bones rather elongated and pointed; dentition, i.  $\frac{9}{8}$ , c.  $\frac{9}{7}$ , p.  $\frac{3}{2}$ , m.  $\frac{3}{3}$ ; the first premolar in the upper jaw is almost rudimentary, its opposing tooth in the lower jaw is wanting; in the milk-dentition, however, the first of the three lower molars is represented by an exceedingly small cylindrical tooth.

*Habitat*—South and West Africa. This species does not appear to occur in the Zulu country.

Length on curve.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
15 $\frac{1}{4}$	6 $\frac{1}{4}$	3 $\frac{7}{8}$	9 (outside)	... ..	National Liberal Club.
15 $\frac{1}{8}$	6 $\frac{1}{4}$	5 $\frac{7}{8}$	...	West Africa ...	Capt. F. Cookson.
15 $\frac{1}{8}$	5 $\frac{3}{4}$	10 $\frac{7}{8}$	...	... ..	W. C. Oswell.
15	5 $\frac{3}{4}$	2	7 $\frac{1}{2}$	... ..	J. A. Nicoll.

SPRINGBUCK (*Gazella euchore*)—*continued*.

Length on curve.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
14 $\frac{1}{4}$	7	2 $\frac{1}{2}$	8	South Africa ...	A. W. Davis.
14 $\frac{1}{4}$	6 $\frac{1}{4}$	5	(outside) 7 $\frac{3}{4}$	Do. ...	C. Ansell.
14	6 $\frac{1}{2}$	2 $\frac{1}{4}$	...	Do. ...	The late J. S. Jameson.
14	5 $\frac{3}{4}$	4 $\frac{1}{4}$	7	... ..	British Museum.
14	5 $\frac{1}{2}$	5 $\frac{1}{2}$	8 $\frac{1}{2}$	... ..	J. A. Nicoll.
13 $\frac{7}{8}$	6	5 $\frac{3}{8}$	7 $\frac{7}{8}$	South Africa ...	F. C. Selous.
13 $\frac{5}{8}$	5 $\frac{5}{8}$	3 $\frac{1}{2}$	6	... ..	British Museum.
13 $\frac{3}{8}$	5 $\frac{1}{2}$	7 $\frac{1}{8}$	...	... ..	Sir Victor Brooke's Collection.
13 $\frac{1}{2}$	5 $\frac{3}{8}$	1 $\frac{3}{4}$	5 $\frac{3}{4}$	... ..	J. Carr-Saunders.
13 $\frac{3}{8}$	5 $\frac{7}{8}$	4 $\frac{3}{8}$	6 $\frac{1}{2}$	South Africa ...	F. C. Selous.
13 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{3}{8}$	7 $\frac{7}{8}$	... ..	British Museum.
13 $\frac{1}{4}$	5 $\frac{1}{4}$	5	...	... ..	Sir Edmund G. Loder, Bart.
13	6 $\frac{1}{2}$	4 $\frac{5}{8}$	9 $\frac{1}{2}$ (outside)	South Africa ...	C. Ansell.
13	5 $\frac{5}{8}$	5	7 $\frac{1}{2}$	Do. ...	A. Beit.
12 $\frac{7}{8}$	5 $\frac{3}{8}$	5 $\frac{1}{2}$	...	... ..	W. C. Oswell.
12 $\frac{3}{4}$	5 $\frac{1}{4}$	3 $\frac{1}{4}$	6 $\frac{1}{2}$	... ..	Rowland Ward's Collection.
12 $\frac{3}{8}$	5 $\frac{1}{2}$	3 $\frac{3}{8}$	6	South Africa ...	F. C. Selous.
12 $\frac{1}{8}$	5 $\frac{1}{8}$	5 $\frac{1}{4}$	7 $\frac{1}{8}$	... ..	British Museum.
11 $\frac{7}{8}$	5 $\frac{3}{4}$	6 $\frac{1}{2}$	...	... ..	Hon. Walter Rothschild.
11 $\frac{5}{8}$	5 $\frac{7}{8}$	4	...	South Africa ...	British Museum.
11 $\frac{3}{8}$	5 $\frac{1}{4}$	4	6 $\frac{1}{4}$	... ..	Sir Victor Brooke's Collection.
♀ 11 $\frac{1}{8}$	3	6 $\frac{3}{4}$	...	South Africa ...	The late J. S. Jameson.
♀ 10 $\frac{3}{4}$	3 $\frac{1}{4}$	5 $\frac{3}{4}$	6 $\frac{1}{2}$	Do. ...	F. C. Selous.
♀ 10 $\frac{1}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$	...	West Africa ...	Capt. F. Cookson.
10	4 $\frac{5}{8}$	4 $\frac{1}{8}$	...	... ..	British Museum.
♀ 8 $\frac{5}{8}$	2 $\frac{1}{2}$	4	4 $\frac{5}{8}$	Natal ...	Do.
♀ 8	3 $\frac{1}{8}$	2 $\frac{1}{2}$	3 $\frac{7}{8}$	South Africa ...	A. Beit.





**INDIAN GAZELLE or RAVINE DEER (*Gazella bennetti*).**

*Habitat*—India (Southern Beloochistan) and Southern Persia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
14 $\frac{1}{4}$	(owner's measurements)		Rajah Waller ...	Capt. H. V. Brooke, late 92nd Highlanders.
13 $\frac{3}{4}$	4 $\frac{1}{2}$	7	... ..	Sir Victor Brooke's Collection.
12 $\frac{3}{4}$	4 $\frac{3}{8}$	7 $\frac{1}{2}$	... ..	H. C. V. Hunter.
12 $\frac{1}{2}$	4 $\frac{1}{2}$	6 $\frac{1}{4}$	... ..	Do.
12 $\frac{3}{8}$	4	5 $\frac{1}{2}$	Simrol, Bengal ...	Col. John Evans, British Museum.
11 $\frac{5}{8}$	4	5 $\frac{1}{4}$	... ..	British Museum.
11 $\frac{5}{8}$	4	4 $\frac{1}{2}$	... ..	Sir Robert Harvey, Bart.
11 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{4}$	... ..	Lieut. F. E. Shafto-Adair.
11 $\frac{1}{4}$	4 $\frac{3}{8}$	6 $\frac{7}{8}$	... ..	British Museum.
11 $\frac{1}{8}$	4 $\frac{5}{8}$	5 $\frac{3}{8}$	... ..	Hume Collection, British Museum.
11	4 $\frac{1}{8}$	6	... ..	Do.

INDIAN GAZELLE or RAVINE DEER (*Gazella bennetti*)—  
continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
11	4 $\frac{1}{8}$	5 $\frac{1}{4}$	... ..	Sir Robert Harvey, Bart.
11	3 $\frac{3}{4}$	6	... ..	C. H. Seely.
10 $\frac{7}{8}$	4 $\frac{3}{8}$	6 $\frac{3}{8}$	... ..	Hume Collection, British Museum.
10 $\frac{7}{8}$	4	5 $\frac{1}{8}$	... ..	Maharajah Dhuleep Singh.
10 $\frac{7}{8}$	3 $\frac{3}{4}$	7 $\frac{7}{8}$	... ..	Sir Victor Brooke's Collection.
10 $\frac{3}{4}$	3 $\frac{5}{8}$	4 $\frac{3}{4}$	... ..	F. J. Horniman.
10 $\frac{3}{8}$	3 $\frac{3}{4}$	5 $\frac{1}{8}$	... ..	Hume Collection, British Museum.
10	4 $\frac{1}{2}$	5 $\frac{1}{4}$	Damoor, near Delhi	J. Hugh Mann.
10	4	4 $\frac{1}{2}$	... ..	Marquis of Ailsa.
9 $\frac{7}{8}$	4	5	Simrol, Bengal ...	Col. John Evans, British Museum.
9 $\frac{3}{4}$	3 $\frac{1}{2}$	5 $\frac{1}{8}$	Sind ... ..	R. Lydekker, British Museum.
9 $\frac{5}{8}$	3 $\frac{7}{8}$	4	... ..	J. Carr-Saunders.
9 $\frac{1}{2}$	4 $\frac{1}{4}$	5 $\frac{1}{8}$	... ..	Hon. Walter Rothschild.
9 $\frac{3}{8}$	4	4	... ..	Hume Collection, British Museum.
9	3 $\frac{5}{8}$	3 $\frac{7}{8}$	... ..	Do.
♀ 7 $\frac{1}{8}$	1 $\frac{5}{8}$	2 $\frac{1}{4}$	... ..	Sir Victor Brooke's Collection.
♀ 4 $\frac{7}{8}$	...	1 $\frac{1}{2}$	Deccan ... ..	Col. Sykes, British Museum.



**ATLAS GAZELLE** (*Gazella cuvieri*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 542.]

HAIR long and rather coarse; central facial band grizzled rufous brown above, darker below, sometimes forming a distinct nose-spot; light facial streak present, but indefinite; dark facial streak blackish brown, running into and blending with the grizzled rufous brown of the upper parts of the body; knee-brushes long, blackish; tail black; horns strongly annulated, massive and long, diverging gradually from about two-thirds their length, the upper third leaning more decidedly outwards and a little forward; Ears very long.

Adult male: height,  $27\frac{1}{2}$  in.; length of horns, 12 in.; length of ears,  $7\frac{1}{4}$  in.

The above description must be taken as applying to an average specimen, very great variety being exhibited by this large and well-marked species; in fact, out of a large series, including living specimens, I have never seen two for which the same description would suffice. The species, however, is easily known from all the other small gazelles by its larger size, rough coat, dark colour, and unusually long ears. As I have said above, I think the larger gazelle seen by Tristram in Algeria was probably of this species. A skull in my possession is very nearly as large as that of *Gazella sammerringii*.

*Habitat*—Morocco and Algeria.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$14\frac{7}{8}$	5	$3\frac{5}{8}$	Algeria ...	Sir Edmund G. Loder, Bart.
♀ $13\frac{7}{8}$	$3\frac{1}{2}$	$7\frac{1}{8}$	Ben-a-Chouf, North Africa.	E. N. Buxton, 1890.
♂ $12\frac{3}{4}$	$4\frac{3}{8}$	$3\frac{3}{8}$	Do.	Do.
$12\frac{3}{8}$	$3\frac{3}{4}$	$5\frac{1}{4}$	Algeria ...	Rowland Ward's Collection.

**BLACK-TAILED GAZELLE** (*Gazella tilonura*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1873, p. 542; *Antilope melanura* (HENGL., ANT, und BÜFF), p. 6; 1869, *Antilope tilonura* (HENGL., REIS, WEISS, NIL.), p. 315.]

CENTRAL facial band rufous fawn; light facial streak indistinct, encircling the eye; dark facial streak very indistinct, almost indis-

tinguishable ; neck, back, uppersides, flanks, haunches, shoulders, root of the tail, anterior of fore legs, knee-brushes, and outer sides of the hind legs sandy fawn-colour ; dark lateral band distinct, blackish, very narrow from above downwards ; light lateral very indefinite ; breast and belly white ; horns lyrate and strongly annulated.

Height, 29 in. ; length of ears,  $5\frac{1}{4}$  in. ; length of tail, 8 in. ; length of horns, 11 in.

*Habitat*—Bushy plains of the Anseba, Bogosland (Hengl.), South Senaar (Casanova).

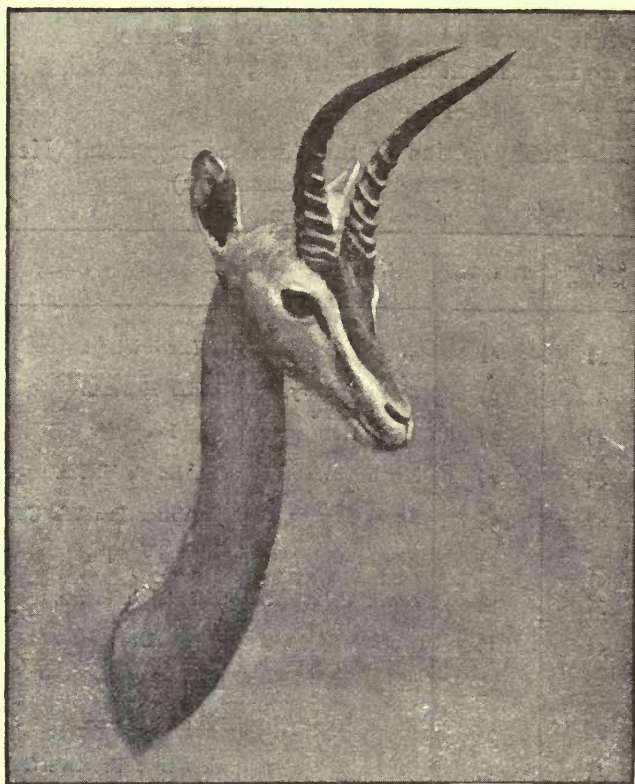
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$10\frac{3}{4}$	$3\frac{3}{4}$	$4\frac{1}{2}$	... ..	E. Lort-Phillips.
$10\frac{3}{4}$	4	$2\frac{1}{8}$	Bogos Country, Abyssinia.	British Museum.
$10\frac{1}{2}$	$4\frac{1}{8}$	$3\frac{3}{4}$	Do.	Do.
$10\frac{1}{4}$	$4\frac{1}{8}$	$2\frac{7}{8}$	North Africa ...	Col. Ralph Vivian.
$9\frac{7}{8}$	$4\frac{3}{8}$	$1\frac{7}{8}$	Bogos Country, Abyssinia.	Sir Victor Brooke's Collection.
$9\frac{7}{8}$	...	$1\frac{1}{2}$	Anseba River, Abyssinia.	Do.
$9\frac{3}{4}$	$3\frac{3}{4}$	$3\frac{1}{2}$	North Africa ...	Col. Ralph Vivian.
$9\frac{1}{2}$	$4\frac{1}{4}$	$1\frac{3}{4}$	Do. ...	Do.
$8\frac{1}{4}$	$3\frac{3}{8}$	$2\frac{1}{2}$	... ..	Lieut. E. Lacy.
$7\frac{3}{4}$	$3\frac{7}{8}$	$1\frac{5}{8}$	Bogos Country, Abyssinia.	British Museum.
♀ $5\frac{1}{8}$	$1\frac{3}{4}$	$1\frac{3}{4}$	Abyssinia ...	Sir Victor Brooke's Collection.

### CORINNE (*Gazella corinna*).

*Habitat*—West Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ $6\frac{1}{4}$	$2\frac{1}{8}$	$2\frac{3}{8}$	West Africa ...	British Museum.





Shot in Somali Land by T. W. H. Clarke, 1891.

**CLARKE'S GAZELLE** (*Ammodorcas clarkei*).

[OLDFIELD THOMAS, P.Z.S. 1891, p. 206.]

THIS most remarkable animal combines the horns of a Reed-buck (*Cervicapra*), with the essential characters of a Gazelle, showing a

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When I received Mr. Clarke's specimens and examined this particular Gazelle, it was at once apparent to me that it was a new variety—a fact that I had the pleasure to convey to Mr. Clarke.—R. W.

special relationship to that most aberrant Gazelle the Gerenook (*Lithocranius walleri*), and appears certainly to be worthy of generic distinction. On the first arrival of the specimens, before the skulls were cleaned, and before Mr. Sclater had received from Mr. Swayne the face-skins mentioned below, the animal was naturally supposed to be a Reed-buck from the character of its horns, little likely as it appeared that a Reed-buck would occur in the dry sandy plateau of Somali Land. Now, however, that better material is available, I am able to draw up a fairly complete account of the more essential characters of this most beautiful Gazelle, of the discovery of which Mr. Clarke, both as a sportsman and naturalist, has so much reason to be proud.

Muzzle, character of face-marking, and presence of anteorbital glands as in *Gazella*; general form (as described by Mr. Clarke, see below) and skull more as in *Lithocranius*; horns in curve and general appearance as in *Cervicapra*.

Coloration of face, using Sir Victor Brooke's phraseology, as follows:—Central facial band deep rich chestnut-rufous, becoming duller towards the bases of the horns; light facial streaks pure white, very prominent and sharply defined, extending the whole length of the head from the bases of the ears to the corners of the nostrils, somewhat duller and more indistinct at their extremities, but broadening in the middle to encircle the eyes; dark facial streak present, but not strongly marked; cheeks and sides of neck pale fawn; throat white; crown between and behind horns brown or grizzled fawn, the latter condition occurring in the older of Mr. Swayne's two head-skins; a marked whorl of hairs situated between the ears; back of ears short-haired, dark fawn basally, gradually darkening to black terminally; insides white-haired, but with black tips.

Horns evenly curved upwards and forwards, the basal halves running backwards and the terminal halves nearly vertically upwards, the main curvature being therefore exactly in the opposite direction to that found in *Gazella* and *Lithocranius*. The horns themselves slender, their smooth unridged portion very long, the first indistinct ridge occurring about five inches from the tip. Ridges widely separate, strongly defined anteriorly, but becoming abruptly obsolete about half-way round, the sides and back showing scarcely a trace of them;



their number amounting to 10 in the oldest specimen available—a number probably but seldom much exceeded.

Skull diverging from that of *Gazella* and approaching that of *Lithocranius* by being unusually low, long in the occipital region with a comparatively straight cranio-facial angle with very small bullæ with the postero-internal wall of the suborbital fossæ imperfect, and with a remarkably small and slender lower jaw. On the other hand, it differs from the same skull by being peculiar to a less extent in all these points by the greater development of the premaxillæ posteriorly, where they have a broad articulation with the nasals, by the larger nasals and smaller interparietal, and by the larger and more powerful teeth, which are absolutely larger in the smaller animal.

In its skull characters, therefore, *Ammodorcas* stands just intermediate between *Gazella* and *Lithocranius*; in its muzzle and in the characters of its markings it agrees fairly with both, but in general form with the latter only, that animal, like it, being peculiar for its extraordinarily long neck, and finally, in the curvature of its horns it differs absolutely from both, as also from any of the other *Gazelline* genera, while it agrees with a group so different from it in all essential respects that the resemblance must evidently be an accidental one and not indicative of any relationship. Presumably the whole of the horn of this species is homologous with the terminal three or four inches of the *Gerenuk's* horns, that is to say, with the upwardly curved part—the greater part of the horn having become obsolete while the upwardly curved tips have attained to a remarkable proportionate development.

The following are the dimensions of the skull of specimen:—

Length, occiput to gnathion, 210 millim., tip of nasals to occiput 176, greatest breadth 95; height, crown to angle of lower jaw, 94; nasals, length 67, breadth 26; interparietal, length 24, breadth 39; height of orbital opening 35, gnathion to front of anterior premolar 63; length of molar series 53; lower jaw, condyle to front of symphysis 153; height from coronoid process to angle 70; height of ramus at centre of m. 15.4, at posterior end of symphysis 9.

In a letter addressed by Mr. Clarke to Mr. Rowland Ward, the following notes on the appearance and habits of this species are

given:—"The Somali name for these antelopes is 'Debo Tag.' I shot them in the new country I went into, and did not see them in any other part. They have a very thin long tail, and when they run, throw it up and over towards the neck. The neck is very long and thrown back towards the tail, so that the two look as if they would touch each other."

Shortly after the arrival of Mr. Clarke's specimens, Mr. Sclater received from Mr. Swayne two scalps of this species which he had bought in Berbera, and these scalps Mr. Sclater has most kindly handed over to me for the purposes of the present paper. Fortunately, the muzzle of one of them has been preserved, so that I have been able to make out its strictly Gazelline character, and the description of the colours above given has also been taken from these specimens.

It is much to be hoped that more specimens of this beautiful Gazelle will soon be obtained, and that we may thereby gain a full knowledge of its range, habits, and natural affinities.

P.S. (May 14th).—Mr. Clarke has favoured me with the following notes on this new Gazelle:—

"I saw this Gazelle for the first time on December 17th, 1890, about three hours from Bairwell, or about one day from Buroa Well, Habengerhagi's country, and afterwards on the road all the way into the Marchan district, 8° N. 47° E. I killed a male, and found one of the horns broken off close to the skull, which had apparently been done a year or so ago.

"They are very graceful animals, with a long neck and well-proportioned head and horns; the body is rather slender, but considerably larger than in *Gazella spekii*, about the size of a female *G. walleri*. The legs are long and slender; the hoofs are not so triangular as those of *G. spekii*, and small for the size of the animal."

Mr. Clarke informs me that the female of *Ammodorcas* is without horns, a character which allies it still more closely with *Lithocranius*, and removes it from the typical Gazelles. The exact locality at which he obtained the specimens is about a day and a half from the Buroa Wells, Central Somali, about 100 miles south of Berbera.



**CLARKE'S GAZELLE** (*Ammodorcas clarkei*)—*continued*.*Habitat*—Somali Land.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
11 $\frac{3}{4}$	4 $\frac{7}{8}$	3 $\frac{5}{8}$	Somali Land ...	Col. A. Paget.
11 $\frac{3}{4}$	4 $\frac{3}{4}$	3 $\frac{5}{8}$	Do. ...	T. W. H. Clarke.
11 $\frac{1}{4}$	5	5	Do. ...	Col. A. Paget.
11 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	Do. ...	T. W. H. Clarke.
10 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	Do. ...	Capt. Townley Parker.
10 $\frac{1}{8}$	4 $\frac{7}{8}$	3 $\frac{3}{8}$	Do. ...	Hon. Walter Rothschild.
10 $\frac{1}{8}$	4 $\frac{1}{4}$	4 $\frac{7}{8}$	Do. ...	Rowland Ward's Collection.
9 $\frac{3}{4}$	4 $\frac{1}{2}$	5 $\frac{1}{8}$	Do. ...	T. W. H. Clarke, British Museum.
9 $\frac{3}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{4}$	Do. ...	Capt. H. G. C. Swayne.
9 $\frac{1}{2}$	4 $\frac{5}{8}$	3 $\frac{3}{4}$	Do. ...	T. W. H. Clarke.
8	3 $\frac{3}{4}$	2 $\frac{7}{8}$	Do. ...	Marquis of Ailsa.
6 $\frac{1}{8}$	3 $\frac{1}{4}$	2 $\frac{1}{8}$	Do. ...	E. Lort-Phillips.

**THOMSON'S GAZELLE** (*Gazella thomsoni*).

THIS Gazelle was discovered in East Africa by Mr. Joseph Thomson, the celebrated explorer, and is rather rare.

*Habitat*—East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15½	4¾	3¾	Uganda, East Africa	F. J. Jackson.
15½	4½	8½	Do. ...	E. Gedge.
15¼	4¾	4¾	Do. ...	F. J. Jackson, British Museum.
14½	5	3½	Do. ...	E. Gedge.
14¾	4¼	3½	East Africa ...	Sir Robert Harvey, Bart.
14¼	4¼	5¾	Masai Land ...	H. C. V. Hunter, British Museum.
14¼	4	3¾	East Africa ...	H. C. V. Hunter.
13½	4¾	4¾	Do. ...	Rowland Ward's Collection.
13¾	4¾	4¼	Do. ...	Sir Robert Harvey, Bart.
13¾	4½	5¼	Do. ...	Hon. Walter Rothschild.
13	4½	4	Do. ...	W. Astor Chanler.
13	4½	3½	Do. ...	H. C. V. Hunter.
13	4½	2½	Do. ...	W. Astor Chanler.
12¾	4¼	4¼	Do. ...	Sir Robert Harvey, Bart.
12½	4½	3	Do. ...	T. W. H. Greenfield.
12¾	4¾	3½	Do. ...	Sir Robert Harvey, Bart.





**WALLER'S GAZELLE** (*Lithocranius walleri*).

THIS Gazelle was described by the late Sir Victor Brooke from a specimen collected by the Revd. Mr. Waller in British East Africa.

*Somali name*—"Gerenuk."

*Habitat*—Somali Land and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15 $\frac{3}{8}$	5 $\frac{5}{8}$	4	Somali Land ...	Capt. H. G. C. Swayne.
15 $\frac{3}{8}$	5 $\frac{3}{8}$	4 $\frac{1}{8}$	Do. ...	C. Liddell.
14 $\frac{3}{4}$	5 $\frac{1}{8}$	4 $\frac{3}{4}$	Do. ...	Lord Delamere.
14 $\frac{1}{2}$	5 $\frac{1}{2}$	3	Do. ...	Capt. H. G. C. Swayne.
14 $\frac{1}{2}$	5	4 $\frac{1}{2}$	Do. ...	Lord Delamere.
14 $\frac{1}{8}$	5 $\frac{3}{8}$	4 $\frac{1}{4}$	Do. ...	Do.
14	5 $\frac{1}{2}$	3 $\frac{3}{4}$ (owner's measurement)	... ..	J. D. Inverarity.
14	...	3	East Africa ...	Sir John Willoughby, Bart., 1887, "East Africa and its Big Game."
14	5 $\frac{1}{2}$	4	Somali Land ...	Lord Delamere.
13 $\frac{7}{8}$	4 $\frac{5}{8}$	5 $\frac{1}{8}$	East Africa ...	H. C. V. Hunter.
13 $\frac{7}{8}$	4 $\frac{7}{8}$	2 $\frac{7}{8}$	Somali Land ...	F. L. James, 1884.
13 $\frac{3}{4}$	4 $\frac{5}{8}$	4 $\frac{1}{8}$	Do. ...	E. Lort-Phillips.
13 $\frac{3}{4}$	5 $\frac{5}{8}$	2 $\frac{7}{8}$	North Somali Land	J. Menges, British Museum.
13 $\frac{3}{4}$	5 $\frac{3}{8}$	3 $\frac{7}{8}$	Somali Land ...	Hon. Walter Rothschild.
13 $\frac{3}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{8}$	Do. ...	Lord Delamere.

WALLER'S GAZELLE (*Lithocranius walleri*)—*continued*.

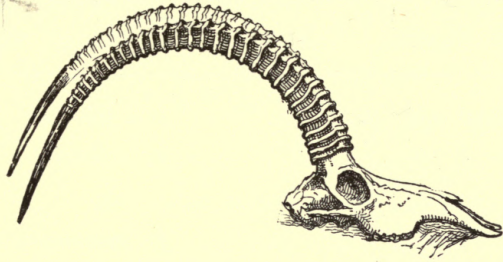
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{5}{8}$	5 $\frac{5}{8}$	3 $\frac{1}{4}$	Somali Land ...	A. H. Straker.
13 $\frac{5}{8}$	5 $\frac{1}{8}$	4 $\frac{7}{8}$	Do. ...	T. W. H. Clarke.
13 $\frac{5}{8}$	4 $\frac{7}{8}$	4 $\frac{5}{8}$	Do. ...	C. H. Villiers.
13 $\frac{1}{2}$	5 $\frac{7}{8}$	6	... ...	C. Liddell.
13 $\frac{3}{8}$	5 $\frac{5}{8}$	3 $\frac{1}{2}$	Somali Land ...	Hon. Walter Rothschild.
13 $\frac{1}{4}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	Do. ...	T. W. H. Clarke.
13 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{5}{8}$	Do. ...	A. H. Straker.
13 $\frac{1}{4}$	4 $\frac{5}{8}$	2 $\frac{5}{8}$	Juba Valley, Somali Land.	Sir John Kirk, M.D., K.C.B.
13	5 $\frac{3}{8}$	4	... ...	E. Lort-Phillips.
13	5 $\frac{1}{2}$	4 $\frac{3}{4}$	Somali Land ...	Marquis of Ailsa.
13	5 $\frac{1}{2}$	3 $\frac{1}{2}$	Do. ...	J. Carr-Saunders.
13	5 $\frac{1}{4}$	5 (owner's measurement)	Do. ...	J. D. Inverarity.
13	4 $\frac{1}{4}$		Do. ...	J. Carr-Saunders.
12 $\frac{5}{8}$	4 $\frac{3}{4}$	4 $\frac{3}{4}$	Do. ...	Lord Delamere.
12 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{8}$	Do. ...	Col. A. Paget.
12 $\frac{1}{2}$	5 $\frac{3}{8}$	3 $\frac{7}{8}$	Do. ...	Lord Delamere.
12 $\frac{1}{2}$	5 $\frac{1}{4}$	2 $\frac{3}{4}$	Do. ...	T. W. H. Clarke.
12 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{2}$	Do. ...	Do.
12 $\frac{1}{2}$	4 $\frac{3}{4}$	2 $\frac{1}{2}$ (owner's measurement)	... ...	J. D. Inverarity.
12 $\frac{1}{2}$	4 $\frac{3}{8}$		Kilima'njaro, East Africa.	F. J. Jackson.
12 $\frac{3}{8}$	5 $\frac{3}{8}$	4 $\frac{1}{4}$	Zanzibar ...	Sir Edmund G. Loder, Bart.
12 $\frac{3}{8}$	5 $\frac{1}{4}$	5 $\frac{1}{2}$	Somali Land ...	T. W. H. Clarke.
12 $\frac{3}{8}$	4 $\frac{5}{8}$	3 $\frac{1}{4}$	Juba Valley, Somali Land.	Sir John Kirk, M.D., K.C.B.
12 $\frac{1}{4}$	4 $\frac{3}{4}$	5	Do.	Do.
12	5 $\frac{1}{2}$	5 $\frac{1}{2}$	Somali Land ...	Gen. Trewell.
11 $\frac{3}{4}$	5 $\frac{3}{4}$	5 $\frac{3}{4}$	Do. ...	C. H. Villiers.
11 $\frac{5}{8}$	4 $\frac{3}{4}$	4 $\frac{3}{8}$	East Africa ...	Sir Robert Harvey, Bart.



WALLER'S GAZELLE (*Lithocranius walleri*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
11 $\frac{5}{8}$	4 $\frac{5}{8}$	4 $\frac{1}{4}$	South Somali Land	Dr. Kirk, British Museum.
11 $\frac{5}{8}$	4 $\frac{3}{8}$	2 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
11 $\frac{3}{8}$	4 $\frac{3}{4}$	3 $\frac{7}{8}$	Juba Valley, Somali Land.	Sir John Kirk, M.D., K.C.B.
11 $\frac{1}{4}$	5 $\frac{1}{4}$	4 $\frac{3}{4}$	Somali Land ...	Sir Victor Brooke's Collection.
11 $\frac{1}{4}$	4 $\frac{3}{4}$	4 $\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
10 $\frac{3}{4}$	5	3 $\frac{3}{4}$	Somali Land ...	F. L. James, 1884.
10 $\frac{3}{4}$	4 $\frac{3}{4}$	3	South Somali Land	Sir John Kirk, M.D., K.C.B., British Museum.
10 $\frac{1}{4}$	4 $\frac{3}{4}$	4 $\frac{1}{2}$	East Africa ...	Sir Robert Harvey, Bart.
10 $\frac{1}{4}$	4 $\frac{3}{4}$	4 $\frac{1}{4}$	Do. ...	Do.
9 $\frac{3}{8}$	4 $\frac{1}{4}$	3 $\frac{3}{4}$	South Somali Land	Sir John Kirk, M.D., K.C.B., British Museum.

The Horns of the specimens from Somali Land are very much longer than those which I have received from British East Africa, as will be seen by reference to the above measurements.

**SABLE ANTELOPE** (*Hippotragus niger*)

HEIGHT at shoulder 4 ft. 6 in., tail 25 in., ears 10 in., extreme length nearly 9 ft.

*Sena name*—"Para-Para."

*Bechuana name*—"Tahetse."

*Makalolo name*—"Qualata e Enchu."

*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
46	...	...	South Africa ...	F. and H. Barber, "Land and Water," January 2nd, 1892.
44½	10½	...	... ..	F. V. Kirby, "Land and Water," January 2nd, 1892.
44	...	...	Chobe River ...	F. C. Selous, "A Hunter's Wanderings."
43½	9¾	15	South Africa ...	The late J. S. Jameson.
43¼	9⅝	8¼	Do. ...	Do.
43	9¾	6½	Mashuna Land ...	F. C. Selous, British Museum.
43	10¼	13	... ..	Major Gould Adams.
43	...	...	Chobe River ...	F. C. Selous, "A Hunter's Wanderings."
42⅞	10⅝	16½	... ..	F. C. Selous.
42⅞	9¾	10¾	... ..	J. Carr-Saunders.
42¾	9⅝	17⅝	... ..	F. C. Selous.
42⅝	9⅞	9½	South Africa ...	Bethnal Green Museum.



SABLE ANTELOPE (*Hippotragus niger*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
42 $\frac{5}{8}$	9 $\frac{1}{2}$	11 $\frac{1}{2}$	... ..	J. A. Jameson.
42 $\frac{1}{2}$	9 $\frac{5}{8}$	10 $\frac{5}{8}$	... ..	F. C. Selous.
42 $\frac{3}{8}$	9	19 $\frac{1}{2}$	... ..	Do.
42	9 $\frac{1}{4}$	12 $\frac{3}{4}$	... ..	J. Carr-Saunders.
41 $\frac{7}{8}$	9 $\frac{1}{2}$	14	... ..	J. A. Jameson.
41 $\frac{3}{4}$	9 $\frac{5}{8}$	12	South Africa ...	A. Beit.
41 $\frac{3}{4}$	...	9 $\frac{1}{2}$	... ..	A. C. Fountaine.
41 $\frac{5}{8}$	9 $\frac{3}{4}$	11	... ..	F. C. Selous.
41 $\frac{1}{4}$	10	12 $\frac{7}{8}$	South Africa ...	Hon. Walter Rothschild.
41	10 $\frac{1}{4}$	7 $\frac{3}{4}$	... ..	A. Haggard.
41	10	7 $\frac{5}{8}$	South Africa ...	The late J. S. Jameson.
41	...	13 $\frac{1}{4}$	... ..	Dr. Knight Bruce, Bishop of Bloomfontein.
41	9	14 $\frac{3}{4}$	... ..	J. A. Jameson.
40 $\frac{7}{8}$	8 $\frac{7}{8}$	12 $\frac{1}{4}$	South Africa ...	The late J. S. Jameson.
40 $\frac{5}{8}$	9 $\frac{3}{4}$	12 $\frac{3}{4}$	... ..	F. C. Selous.
40 $\frac{5}{8}$	9 $\frac{1}{2}$	16 $\frac{1}{4}$	... ..	Do.
40 $\frac{1}{8}$	9 $\frac{3}{8}$	11 $\frac{3}{8}$	... ..	Do.
40	9 $\frac{1}{4}$	...	... ..	Rowland Ward's Collection.
39 $\frac{1}{8}$	9 $\frac{1}{8}$	9 $\frac{1}{2}$	South Africa ...	The late J. S. Jameson.
♀ 39 $\frac{1}{8}$	6 $\frac{1}{4}$	6 $\frac{5}{8}$	... ..	F. C. Selous.
39	10	11	... ..	Rowland Ward's Collection.
39	9 $\frac{3}{4}$	9 $\frac{3}{8}$	... ..	Dr. Knight Bruce, Bishop of Mashuna Land.
39	9 $\frac{1}{2}$	...	... ..	H. S. Runcheman.
39	9	10 $\frac{3}{8}$	... ..	Sir Victor Brooke's Collection.
38 $\frac{1}{2}$	9 $\frac{5}{8}$	13 $\frac{1}{2}$	South Africa ...	The late J. S. Jameson.
38 $\frac{1}{8}$	9 $\frac{3}{8}$	11	River Umferli, South Africa.	F. C. Selous, British Museum.
38	9 $\frac{1}{2}$	12 $\frac{1}{2}$	... ..	B. J. Angle.

SABLE ANTELOPE (*Hippotragus niger*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
37½	8¾	12½	... ..	Sir Victor Brooke's Collection.
37	...	9½	... ..	Capt. W. C. Harris, P.Z.S. 1838,
36½	9¼	7¼	South Africa	p. 2. W. P. Rylands.
36¾	9⅝	11⅞	... ..	A. M. Sagar Musgrave.
36¼	9	11¾	Caffraria	British Museum.
36	10½	9	... ..	Lord Elphinstone.
35⅝	9	8⅝	South Africa	W. P. Rylands.
35¾	9⅞	8⅝	Do.	Durban Museum.
♀ 34½	6⅝	8½	Do.	The late J. S. Jameson.
♀ 34	6¾	8¾	... ..	F. C. Selous.
♀ 34	6⅞	8⅞	South Africa	W. P. Rylands.
♀ 33¼	6⅝	13¾	Do.	A. Beit.
33⅝	8¼	14½	Zanzibar	Sir John Kirk, M.D., K.C.B.
♀ 32¼	6½	10½	South Africa	W. P. Rylands.
♀ 31½	7	12⅝	Algoa Bay	British Museum.
♀ 30⅝	6⅝	12⅞	... ..	F. C. Selous.
♀ 30¼	6⅝	12	Mashuna Land	Do. British Museum.
♀ 29⅞	6⅞	15¾	... ..	Do.
♀ 29½	6⅝	8⅝	South Africa	H. and C. Beddington.
♀ 27½	6⅞	6¼	Caffraria	British Museum.
♀ 27	6½	10⅝	... ..	Sir Victor Brooke's Collection.
♀ 26¼	6¼	13¼	... ..	A. Haggard.
♀ 25¼	6⅝	10½	South Africa	F. J. Horniman.
♀ 24¾	6¼	1⅞	Do.	R. Gordon-Cumming, British Museum.
24½	8⅝	9½	Do.	H. and C. Beddington.
23⅝	7¼	11¼	Do.	Do.
♀ 23½	6⅝	7½	... ..	A. M. Sagar Musgrave.



**ROAN ANTELOPE** (*Hippotragus leucophœus*).*Habitat*—South Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
33	...	...	South Africa ...	A. C. Fountaine.
31 $\frac{3}{4}$	9 $\frac{1}{2}$	5 $\frac{1}{2}$	Do. ...	Sir Edmund G. Loder, Bart.
31 $\frac{1}{2}$	9 $\frac{1}{2}$	11 $\frac{7}{8}$	Do. ...	F. C. Selous.
30 $\frac{7}{8}$	9 $\frac{1}{2}$	10 $\frac{5}{8}$	Do. ...	Do.
♀ 30 $\frac{1}{2}$	7	7 $\frac{3}{8}$	Do. ...	Do.
30 $\frac{1}{4}$	10	9 $\frac{1}{2}$	Do. ...	Do.
29 $\frac{7}{8}$	10	14	Do. ...	The late J. S. Jameson.
29 $\frac{7}{8}$	9 $\frac{5}{8}$	11 $\frac{1}{4}$	Do. ...	Hon. Walter Rothschild.
29 $\frac{3}{4}$	8 $\frac{1}{8}$	12 $\frac{7}{8}$	Limpopo ...	W. C. Oswell.
29 $\frac{5}{8}$	9 $\frac{1}{2}$	10	South Africa ...	Hon. Walter Rothschild.
29 $\frac{3}{8}$	9 $\frac{5}{8}$	11 $\frac{3}{8}$	Do. ...	F. C. Selous.
29 $\frac{1}{8}$	9 $\frac{1}{8}$	7 $\frac{3}{4}$	Do. ...	H. and C. Beddington.
29	...	...	Mashona Land ...	F. C. Selous, 1880, "A Hunter's Wanderings."
29	...	...	Impaqui River ...	F. C. Selous, 1876, "A Hunter's Wanderings."
28 $\frac{7}{8}$	9	7 $\frac{1}{4}$	South Africa ...	F. C. Selous.
28 $\frac{3}{4}$	8 $\frac{7}{8}$	12 $\frac{7}{8}$	Do. ...	J. A. Jameson.

ROAN ANTELOPE (*Hippotragus leucophæus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
28 $\frac{5}{8}$	9 $\frac{3}{4}$	9 $\frac{5}{8}$	Mashona Land ...	F. C. Selous, British Museum.
28 $\frac{1}{4}$	9 $\frac{5}{8}$	8	River Manyane ...	Do.
28	9 $\frac{1}{2}$	13 $\frac{1}{2}$	South Africa ...	F. C. Selous.
27 $\frac{7}{8}$	8 $\frac{3}{8}$	8 $\frac{1}{4}$	Do. ...	Sir Edmund G. Loder, Bart.
27 $\frac{5}{8}$	9 $\frac{1}{8}$	9	Do. ...	J. Carr-Saunders.
27 $\frac{1}{2}$	10 $\frac{1}{2}$	3	Do. ...	A. C. Fountaine.
27 $\frac{1}{2}$	9	11 $\frac{1}{2}$	Do. ...	G. H. Banks.
27 $\frac{3}{8}$	9 $\frac{3}{4}$	8 $\frac{1}{2}$	Do. ...	A. Beit.
27 $\frac{1}{8}$	9 $\frac{3}{4}$	9 $\frac{1}{4}$	Do. ...	Sir Victor Brooke's Collection.
26 $\frac{7}{8}$	8 $\frac{5}{8}$	10 $\frac{1}{2}$	River Gambia ...	Dr. P. Rendell, British Museum.
26 $\frac{1}{2}$	10 $\frac{1}{8}$	10 $\frac{3}{4}$	South Africa ...	The late J. S. Jameson.
26 $\frac{1}{4}$	9 $\frac{3}{4}$	7 $\frac{5}{8}$	Do. ...	F. C. Selous.
26	9	8	South Africa ...	British Museum.
26	8 $\frac{7}{8}$	8 $\frac{1}{8}$	Do. ...	Do.
♀ 25 $\frac{7}{8}$	6 $\frac{3}{4}$	7	Do. ...	F. C. Selous.
25 $\frac{5}{8}$	9 $\frac{1}{2}$	7 $\frac{3}{8}$	Do. ...	Sir Victor Brooke's Collection.
24 $\frac{1}{2}$	9 $\frac{1}{2}$	5 $\frac{5}{8}$	Limpopo ...	W. C. Oswell.
24 $\frac{1}{4}$	8 $\frac{7}{8}$	8 $\frac{1}{2}$	South Africa ...	A. Beit.
♀ 23 $\frac{3}{8}$	7	8 $\frac{1}{4}$	Limpopo ...	W. C. Oswell.
23	9 $\frac{1}{4}$	9 $\frac{1}{8}$	South Africa ...	Rowland Ward's Collection.
23	6 $\frac{3}{8}$	9	Do. ...	British Museum.
♀ 22 $\frac{3}{8}$	5 $\frac{3}{4}$	9	Limpopo ...	W. C. Oswell.
22 $\frac{1}{4}$	6 $\frac{5}{8}$	13 $\frac{1}{8}$	Cape of Good Hope	Earl of Derby, British Museum.
22 $\frac{1}{8}$	7 $\frac{1}{8}$	8	... ..	W. D. James.
21 $\frac{7}{8}$	7	9 $\frac{1}{8}$	Abyssinia ...	E. Lort-Phillips.
17 $\frac{3}{4}$	6 $\frac{1}{8}$	9 $\frac{1}{4}$	Do. ...	British Museum.
14	9 $\frac{1}{2}$	7 $\frac{1}{2}$	South Africa ...	A. W. Davis.



**HIPPOTRAGUS KOB.***Habitat*—Gambia.

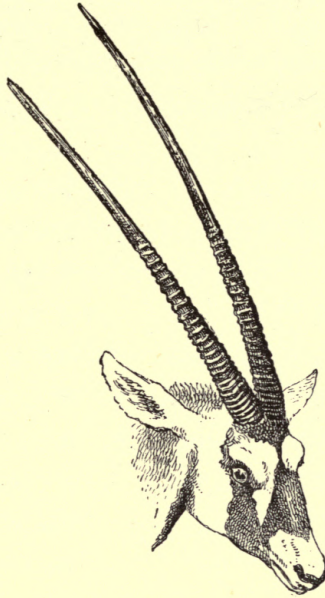
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
26	$8\frac{7}{8}$	$7\frac{1}{8}$	Gambia ...	Earl of Derby, British Museum.
$20\frac{5}{8}$	$6\frac{7}{8}$	$7\frac{3}{4}$	Do. ...	Do.

**BAKER'S ANTELOPE, or MAARIFFE (*Hippotragus bakeri*).**

THIS Antelope much resembles the South African Roan Antelope, and was discovered in 1860 by Sir Samuel Baker, Bart.

*Habitat*—Africa—Soudan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$28\frac{1}{2}$	$8\frac{1}{2}$	(mal-formed)	Soudan ...	Col. Ralph Vivian.
$28\frac{3}{8}$	9	$11\frac{3}{4}$	Do. ...	Do.
27	...	...	... ..	Sir Saml. Baker, Bart. (P.Z.S. 1861).
$25\frac{1}{8}$	$9\frac{3}{4}$	$5\frac{3}{8}$	... ..	Sir Edmund G. Loder, Bart.

**GEMSBUCK** (*Oryx gazella*).*Habitat*—South Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
47½	6¾	17½	South Africa ...	The late J. S. Jameson.
44½	6½	21⅞	Bakalahari ...	W. C. Oswell.
43½	7½	17	Do. ...	Do.
43¾	6¾	18½	South Africa ...	F. C. Selous, British Museum.
43¼	6½	20⅞	Do. ...	Sir Victor Brooke's Collection.
43½	6¾	...	Do. ...	F. C. Selous.
43	7	18¾	Do. ...	Rowland Ward's Collection.



**GEMSBUCK** (*Oryx gazella*)—*continued*.

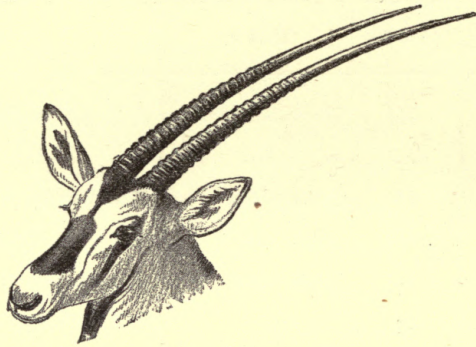
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
42½	6½	19	Botletlie River ...	F. C. Selous.
42½	7	...	... ..	Major Gould Adams.
42	...	...	... ..	Mrs. Murray.
41¾	7⅞	18½	... ..	F. C. Selous.
41	7½	22	... ..	T. Gibb.
41	6¾	18½	... ..	M. E. Stephens.
♀ 40¾	6⅝	17⅞	West Africa ...	Capt. F. Cookson.
40¾	6⅞	16½	South Africa ...	R. C. Dobson.
40⅝	6¾	16½	Transvaal ...	H. Atkinson.
40½	6¾	21⅝	South Africa ...	F. C. Selous.
40¼	7	17	Do. ...	Hon. Walter Rothschild.
40⅞	6¾	18½	Do. ...	The late J. S. Jameson.
40	7	21¾	Do. ...	F. C. Selous.
40	6⅞	18¼	Do. ...	Sir Edmund G. Loder, Bart.
39¾	6¾	20	Do. ...	St. George Littledale.
39⅝	7¾	14	Do. ...	The late J. S. Jameson.
39¼	6¾	17⅝	Do. ...	Do.
38⅞	6¾	15½	Do. ...	A. Beit.
38⅞	6⅝	18⅝	Do. ...	Do.
38½	6⅝	18¼	Do. ...	Do.
38½	7⅝	21⅞	West Africa ...	Capt. F. Cookson.
38⅞	6⅝	18½	South Africa ...	F. C. Selous.
38	...	18¾	Do. ...	A. C. Fountaine.
38	6⅝	17⅞	Do. ...	National Liberal Club.
38	7¾	15¾	Do. ...	A. W. Davis.
37⅞	6⅞	19¾	Do. ...	The late J. S. Jameson.
37¾	6½	18½	Do. ...	C. Ansell.

GEMSBUCK (*Oryx gazella*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
37½	6⅞	16⅞	North Bechuana-land.	F. C. Selous, British Museum.
♀ 36¾	6⅝	...	Do.	Do.
36¼	7⅜	16	South Africa ...	Hon. Charles Ellis.
35⅞	7¼	15¼	Algoa Bay ...	J. Wemyss, British Museum.
35⅝	7⅓	16½	South Africa ...	H.R.H. Duke of Edinburgh.
35½	7½	14	Do. ...	J. A. Nicoll.
35	7⅝	13¾	West Africa ...	Capt. F. Cookson.
34¾	7¼	14	Transvaal ...	H. Atkinson.
34⅝	8⅜	12⅞	South Africa ...	J. Carr-Saunders.
34	6	17¾	Do. ...	Hon. Charles Ellis.
33⅞	7¼	16¼	Do. ...	F. C. Selous, British Museum.
32½	7½	17⅜	Do. ...	Bethnal Green Museum.

It is interesting to note that the finest Gemsbuck specified above was shot by the late J. S. Jameson when he was pursuing his last hunting journey, accompanied by F. C. Selous, before he started on that expedition which cost him his life.



**BEISA ANTELOPE** (*Oryx beisa*).*Somali name*—"Berid."*Habitat*—North-East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ 39	5½	8	Somali Land ...	E. P. Hare.
36	6½	...	Do. ...	Capt. Brinkley.
35	6	9	Do. ...	Col. A. Paget.
35½	6½	8½	Do. ...	Capt. Townley Parker.
34½	...	9½	Do. ...	Ernest Horn.
♀ 34¾	5½	8¾	Do. ...	Capt. Townley Parker.
34½	...	(owner's measurement) 11⅝	Do. ...	T. W. H. Clarke.
34¾	8⅞		Do. ...	Do.
33⅝	6¾		Do. ...	A. H. Straker.
33½	5½	7⅝	Do. ...	Col. A. Paget.
33¾	4⅞	7⅝	Do. ...	W. D. James.
33¼	5⅝	2¾	Do. ...	A. H. Straker.
33¼	5½	9	Do. ...	Rowland Ward's Collection.
♀ 33	5½	9½	Do. ...	Capt. Bartelot.

BEISA ANTELOPE (*Oryx beisa*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ 32 $\frac{5}{8}$	5	8	Somali Land ...	C. H. Villiers.
32 $\frac{3}{8}$	6 $\frac{1}{4}$	6 $\frac{1}{4}$	Do. ...	Lord Delamere.
32	6 $\frac{1}{2}$	9 $\frac{1}{2}$	Do. ...	Capt. Bartelot.
32	5 $\frac{1}{4}$	9 $\frac{3}{8}$	Do. ...	Lord Delamere.
32	5 $\frac{1}{16}$	8 $\frac{1}{8}$	Do. ...	Col. A. Paget.
32	5 $\frac{3}{8}$	9 $\frac{7}{8}$	Do. ...	E. Lort-Phillips.
31 $\frac{1}{4}$	6 $\frac{3}{4}$	8	Do. ...	E. P. Hare.
31 $\frac{1}{8}$	6	8	Do. ...	Lord Delamere.
31 $\frac{1}{8}$	5	7 $\frac{1}{8}$	Do. ...	Sir John Kirk, M.D., K.C.B.
30 $\frac{7}{8}$	5 $\frac{1}{4}$	10 $\frac{1}{2}$	River Juba, Somali Land.	Dr. Kirk, British Museum.
30 $\frac{3}{4}$	6	7 $\frac{1}{8}$	Somali Land ...	E. Lort-Phillips.
30 $\frac{3}{4}$	6 $\frac{1}{4}$	8	Do. ...	T. W. H. Clarke.
30 $\frac{1}{2}$	6 $\frac{1}{2}$	7 $\frac{1}{2}$	... ..	Marquis of Ailsa.
30 $\frac{1}{2}$	6	7 $\frac{3}{4}$	Somali Land ...	Capt. H. G. C. Swayne.
30 $\frac{1}{2}$	5 $\frac{1}{2}$	7	Do. ...	H.R.H. Duke of Edinburgh.
30 $\frac{3}{8}$	6 $\frac{1}{4}$	9	Do. ...	Sir John Kirk, M.D., K.C.B.
30 $\frac{1}{8}$	5	8 $\frac{1}{4}$	Do. ...	C. Liddell.
30	4 $\frac{7}{8}$	9	River Juba, Somali Land.	Sir John Kirk, M.D., K.C.B.
30	5 $\frac{3}{8}$	5 $\frac{1}{2}$	Do.	C. Liddell.
29 $\frac{1}{4}$	5 $\frac{5}{8}$	9 $\frac{7}{8}$	Somali Land ...	Hon. Walter Rothschild.
28 $\frac{5}{8}$	6	7 $\frac{7}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
28 $\frac{1}{2}$	5 $\frac{1}{2}$	10	Do. ...	Rowland Ward's Collection.
27 $\frac{3}{4}$	5 $\frac{1}{4}$	(one horn malformed)	Do. ...	Lord Delamere.
27 $\frac{3}{4}$	4 $\frac{3}{4}$	6 $\frac{3}{4}$	Do. ...	Sir John Kirk, M.D., K.C.B.
27 $\frac{1}{2}$	6 $\frac{1}{2}$	8 $\frac{1}{8}$	Do. ...	H.R.H. Duke of Edinburgh.
26 $\frac{1}{2}$	6 $\frac{3}{4}$	8 $\frac{3}{4}$ (owner's measurement)	Do. ...	J. D. Inverarity.
25 $\frac{3}{4}$	4 $\frac{5}{8}$	8 $\frac{3}{8}$	Abyssinia ...	British Museum.



**BEATRIX ANTELOPE (*Oryx beatrix*).**

[DR. J. E. GRAY, P.Z.S. 1857, p. 157.]

THE horns slender, straight, or only very slightly curved near the tip; White, a spot on the middle of the face, a smaller spot between the base of the horns, a large patch on each cheek, extending above up to the eyes, and united together beneath under the throat; the knees and front of the fore and hind legs, and a large spot on the chest, dark blackish brown; the legs to the posterior grey-brown; end of the tail black.

This specimen is not half the size of the Gemsbok from the Cape, and is immediately known from it by the distribution of its colours.

In form and size it resembles the true *Oryx* (*O. leucoryx*), but it differs in the straightness of the horn, the size and form of the cheek-spots, and especially in the dark colour of the legs, and the well-marked white ring around the fetlock joint, just above the hoof.

The hair is whorled on the middle of the haunches like the rest of the genus, and the hairs of the back in front of the withers are directed forwards.

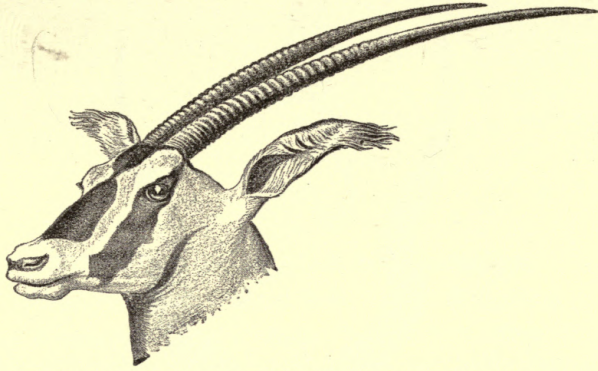
*Habitat*—Head of Persian Gulf.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ 15	3 $\frac{3}{8}$	4 $\frac{1}{2}$	Head of Persian Gulf.	B. T. Finch, British Museum.

**LEUCORYX (*Oryx leucoryx*).**

*Habitat*—North Africa.

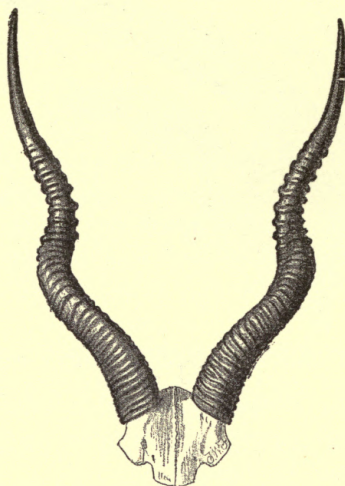
Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
39 $\frac{5}{8}$	4 $\frac{7}{8}$	14 $\frac{1}{8}$	... ..	British Museum.
37 $\frac{5}{8}$	5 $\frac{1}{4}$	7 $\frac{1}{4}$	... ..	Do.
35 $\frac{5}{8}$	5 $\frac{1}{2}$	11 $\frac{7}{8}$	... ..	J. Carr-Saunders.
33 $\frac{3}{4}$	5 $\frac{1}{2}$	8	... ..	Hon. Walter Rothschild.

**EAST AFRICAN ORYX (*Oryx callotis*).***Habitat*—Africa, Masai Land and adjoining territory.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
30½	5¾	10½	East Africa	F. J. Jackson.
30¼	...	6	Do.	T. W. H. Greenfield.
30	...	10	Do.	Sir John Willoughby, Bart., "East Africa and its Big Game."
29½	5⅝	7¾	Do.	Sir Robert Harvey, Bart.
28¾	6½	10⅝	Do.	Do.
28¾	5⅝	6½	Do.	H. C. V. Hunter.
27¾	6⅞	10¼	Do.	F. J. Jackson.
27½	6⅞	8½	Do.	Sir Robert Harvey, Bart.
27	7⅛	7¾	Do.	H. C. V. Hunter.
26⅝	7	13	Do.	Sir Robert Harvey, Bart.
26⅝	6⅞	8¾	Do.	Do.
26¼	5⅞	9¾	Do.	F. J. Jackson.
26	6	9	Do.	E. Gedge.
23	5½	8	Do.	W. Astor Chanler.
22¾	6½	8½	Do.	Sir Robert Harvey, Bart.
21⅝	7	10	Do.	Do.
*21	6¾	10	Do.	Rowland Ward's Collection.

\* The type specimen from which this Antelope was described I have presented to the British Museum. Until the date of my noticing its points of difference, this variety had been referred to as *Oryx beisa*.—R. W.



**ADDAX** (*Addax nasomaculatus*).

THIS Antelope has rarely been shot by Europeans. It closely approaches the South African Gemsbok in size.

*Habitat*—North Africa.

Length.		Circumference at base.	Tip to Tip.	Habitat.	Owner.
Along curve.	Straight line.				
35 $\frac{3}{4}$	28	6 $\frac{3}{8}$	13 $\frac{5}{8}$	North Africa ...	Hon. Walter Rothschild.
35 $\frac{1}{2}$	28	6 $\frac{1}{2}$	13 $\frac{1}{2}$	Do. ...	Rowland Ward's Collection.
33 $\frac{7}{8}$	28 $\frac{3}{8}$	5 $\frac{7}{8}$	22	Do. ...	Sir Edmund G. Loder, Bart.
32 $\frac{1}{4}$	26 $\frac{1}{8}$	6 $\frac{1}{8}$	13 $\frac{1}{2}$	Do. ...	Rowland Ward's Collection.
31 $\frac{5}{8}$	26 $\frac{1}{4}$	6 $\frac{3}{8}$	17 $\frac{3}{8}$	Do. ...	Do.
31	26 $\frac{7}{8}$	6	13 $\frac{1}{2}$	Do. ...	Do.
29 $\frac{7}{8}$	24	6	14 $\frac{3}{4}$	Do. ...	Do.
28 $\frac{3}{4}$	24 $\frac{7}{8}$	5 $\frac{1}{2}$	12 $\frac{5}{8}$	Do. ...	British Museum.
28	...	5	16 $\frac{1}{2}$	Do. ...	Rowland Ward's Collection.
26	22 $\frac{1}{2}$	6	17 $\frac{1}{2}$	Do. ...	Do.

**NILGHAI** (*Boselaphus tragocamelus*).

[From "The Mammals of India," by T. C. Jerdon.]

MALE of an iron-grey colour; lips, chin, lower surface of the tail, stripes inside the ears, rings on the fetlocks and abdomen white; head and limbs tinged with sepia-brown; mane, throat-tuft, and tip of tail, black.

The female is a good deal smaller than the male and tawny or light brown.

Length of male about  $6\frac{1}{2}$  to 7 feet; height at shoulder 4 feet 4 inches to  $4\frac{1}{2}$  feet; horns 8 to 9 inches, rarely 10; ear 7 inches, very broad; tail 18 to 21 inches.

*Habitat*—India.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$9\frac{1}{4}$	$6\frac{3}{4}$	$4\frac{7}{8}$	India ... ..	British Museum.
$8\frac{7}{8}$	$6\frac{5}{8}$	$3\frac{1}{2}$	Do. ... ..	A. O. Hume, Private Collection.
$8\frac{3}{8}$	$5\frac{3}{4}$	$4\frac{3}{8}$	Do. ... ..	Do.
$8\frac{1}{4}$	$7\frac{1}{8}$	$7\frac{3}{4}$	N. India ... ..	Sir Victor Brooke's Collection.
$8\frac{1}{8}$	$6\frac{1}{2}$	5	India ... ..	Hume Collection, British Museum.
$7\frac{3}{4}$	$5\frac{1}{2}$	$5\frac{1}{4}$	Do. ... ..	Rowland Ward's Collection.
$7\frac{5}{8}$	$6\frac{1}{8}$	$5\frac{1}{4}$	Do. ... ..	Hume Collection, British Museum.
$7\frac{1}{2}$	$5\frac{3}{8}$	$7\frac{3}{8}$	Cent. Provinces ...	G. A. Carmichael, British Museum.
$7\frac{3}{8}$	$5\frac{3}{4}$	$5\frac{7}{8}$	India ... ..	Hume Collection, British Museum.
$7\frac{1}{4}$	$5\frac{1}{4}$	$6\frac{1}{2}$	Do. ... ..	A. Wilson.
$7\frac{1}{8}$	$6\frac{3}{8}$	$4\frac{7}{8}$	Do. ... ..	Hon. Walter Rothschild.
$6\frac{3}{4}$	$5\frac{1}{4}$	$4\frac{3}{4}$	Do. ... ..	Marquis of Ailsa.
$6\frac{5}{8}$	$5\frac{1}{4}$	$5\frac{3}{4}$	Do. ... ..	H.R.H. Duke of Edinburgh.
$6\frac{1}{2}$	$5\frac{3}{8}$	$5\frac{3}{8}$	Do. ... ..	J. Carr-Saunders.
$6\frac{1}{8}$	$4\frac{7}{8}$	$6\frac{3}{8}$	Do. ... ..	British Museum.
6	$6\frac{1}{2}$	$5\frac{3}{8}$	Do. ... ..	Sir Robert Harvey, Bart.





**BUSHBUCK** (*Tragelaphus sylvaticus*).

*Bechuana name*—"M'Pabala."

*Lower Zambesi and Shiré name*—"M'Bawala."

*Habitat*—South and East Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15½	5¾	9¼	South Africa ...	Rowland Ward's Collection.
15	5¾	4½	Do. ...	F. C. Selous.
14½	5¾	2¾	Do. ...	G. H. Banks.
14¼	...	4½	... ..	Rowland Ward's Collection.
14	5½	5¾	Matabele Land, South Africa.	H. and C. Beddington.
13¾	5¾	5½	... ..	H. R. H. Duke of Edinburgh.
13¾	5¾	6½	... ..	Hon. Walter Rothschild.
13¾	5½	5¾	... ..	Sir Edmund G. Loder, Bart.
13¾	5½	5½	Matabele Land, South Africa.	H. and C. Beddington.
13¾	5½	5½	East Africa ...	H. C. V. Hunter.
13½	5¾	4½	... ..	Sir Victor Brooke's Collection.
13½	5½	7	South Africa ...	F. C. Selous.
13½	5¼	5½	Matabele Land, South Africa.	H. and C. Beddington.
13¾	5¾	5	South Africa ...	F. C. Selous.
13½	5¼	6	Do. ...	Do.
13	6¼	5½	East Africa ...	F. J. Jackson.
13	5½	5½	Matabele Land, South Africa.	H. and C. Beddington.
12¾	5	6½	... ..	W. C. Oswell.

BUSHBUCK (*Tragelaphus sylvaticus*)—*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$12\frac{3}{4}$	...	$6\frac{1}{2}$	... ..	Rowland Ward's Collection.
$12\frac{5}{8}$	5	$5\frac{1}{4}$	... ..	W. D. James.
$12\frac{1}{2}$	$5\frac{1}{2}$	$4\frac{1}{2}$	South Africa ...	J. A. Nicoll.
12	$4\frac{3}{8}$	$4\frac{5}{8}$	Do. ...	F. C. Selous.
$11\frac{3}{4}$	5	$6\frac{3}{8}$	East Africa ...	Sir Robert Harvey, Bart.
$11\frac{1}{2}$	(owner's measurement)	4	Do. ...	Sir John Willoughby, Bart.
$11\frac{1}{2}$	$5\frac{1}{4}$	$3\frac{5}{8}$	... ..	H.R.H. Duke of Edinburgh.
$11\frac{1}{2}$	$4\frac{7}{8}$	$4\frac{1}{2}$	South Africa ...	A. Beit.
$11\frac{1}{4}$	$4\frac{3}{8}$	$4\frac{1}{2}$	East Africa ...	F. J. Jackson.
11	$5\frac{1}{8}$	5	... ..	Col. Ralph Vivian.
$10\frac{7}{8}$	5	$3\frac{1}{2}$	... ..	J. Carr-Saunders.



**HARNESSED ANTELOPE (*Tragelaphus scriptus*).***Habitat*—South and East Africa.

Length along the bend.	Circumference.	Tip to Tip.	Habitat.	Owner.
17 $\frac{7}{8}$	6 $\frac{1}{4}$	5 $\frac{7}{8}$	Zanzibar ... ..	Sir John Kirk, M.D., K.C.B.
16 $\frac{5}{8}$	5 $\frac{7}{8}$	6 $\frac{1}{4}$	Mandar Island, near Zanzibar.	Do.
15 $\frac{3}{8}$	6 $\frac{3}{8}$	7 $\frac{1}{2}$	South Africa ...	Maj.-Gen. Arthur Ellis, C.S.I.
15 $\frac{3}{8}$	5 $\frac{1}{2}$	7 $\frac{1}{8}$	Do. ...	Hon. Charles Ellis.
*13 $\frac{1}{2}$	5 $\frac{1}{4}$	5 $\frac{3}{8}$	Do. ...	British Museum.
14	5 $\frac{1}{2}$	4 $\frac{1}{8}$	Do. ...	Hon. Charles Ellis.
13 $\frac{1}{2}$	5 $\frac{1}{8}$	4 $\frac{3}{8}$	Do. ...	Sir John Willoughby, Bart.
13 $\frac{3}{4}$	4 $\frac{3}{4}$	3 $\frac{1}{2}$	Mombasa ...	Sir John Kirk, British Museum.
13 $\frac{1}{8}$	5 $\frac{1}{8}$	3 $\frac{1}{2}$	Lower Zambesi ...	F. C. Selous, British Museum.
12 $\frac{3}{4}$	5	4 $\frac{1}{2}$	South Africa ...	A. E. Capell.
12 $\frac{5}{8}$	5 $\frac{1}{4}$	4 $\frac{1}{8}$	Orange River ...	British Museum.
12 $\frac{5}{8}$	4 $\frac{5}{8}$	4 $\frac{3}{8}$	... ..	Do.
*12 $\frac{3}{8}$	5 $\frac{1}{8}$	4 $\frac{5}{8}$	Chobe River ...	F. C. Selous, British Museum.
11 $\frac{3}{4}$	5 $\frac{1}{2}$	6 $\frac{5}{8}$	... ..	Sir Victor Brooke's Collection.
11 $\frac{3}{4}$	5 $\frac{1}{8}$	4 $\frac{1}{2}$	Uganda ...	Capt. Speke, British Museum.
11	4 $\frac{5}{8}$	5 $\frac{7}{8}$	Limpopo River ...	R. Gordon Cumming, British Museum.
10 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{4}$	Gambia ... ..	Earl Derby, British Museum.

\* The above are Banded Bushbuck.

**SITUTUNGA ANTELOPE** (*Tragelaphus spekei*).

[Sir VICTOR BROOKE, Bart., P.Z.S. 1871, p. 485.]

HAIR of sides coarse and long, without stripes; hoofs long; general colour rusty brown; neck maned; horns smooth, slender, strongly keeled; hair of sides and body of uniform length.

*Native name*—"Nakong."

*Habitat*—Central and Southern Central Africa.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round curve.	Straight lines.				
32 $\frac{3}{8}$	27	7 $\frac{1}{2}$	16 $\frac{3}{8}$	... ..	F. C. Selous.
31 $\frac{7}{8}$	25 $\frac{3}{4}$	8 $\frac{1}{8}$	17 $\frac{1}{4}$	... ..	Do.
31 $\frac{1}{2}$	24 $\frac{3}{8}$	7	16 $\frac{1}{8}$	Chobe River, Mashuna Land.	British Museum.
...	25	...	...	... ..	F. C. Selous, "A Hunter's Wanderings."
29 $\frac{5}{8}$	24 $\frac{1}{2}$	8 $\frac{1}{8}$	16 $\frac{3}{8}$	... ..	F. C. Selous.
28	23 $\frac{3}{4}$	7 $\frac{3}{4}$	19 $\frac{7}{8}$	... ..	W. C. Oswald.
27	21 $\frac{3}{4}$	6 $\frac{7}{8}$	12	... ..	The late J. S. Jameson.
26	...	7 $\frac{3}{8}$	8 $\frac{7}{8}$	... ..	Hon. Charles Ellis.
26	22 $\frac{5}{8}$	7	17 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
26	20 $\frac{7}{8}$	6 $\frac{7}{8}$	16	... ..	W. C. Oswald.



**SITUTUNGA ANTELOPE** (*Tragelaphus spekei*)—*continued.*

Length.		Circum- ference.	Tip to Tip.	Habitat.	Owner.
Round curve.	Straight lines.				
...	22½	7½	10	... ..	Rowland Ward's Collection.
25⅞	22¼	7¼	19⅜	... ..	F. C. Selous, British Museum.
25½	...	8	12	... ..	J. A. Nicoll.
...	22	...	...	Chobe River, Mashuna Land.	F. C. Selous, "A Hunter's Wan- derings."
23⅝	...	7¼	10	... ..	Major Gould Adams.
23½	...	7¼	7⅞	... ..	Hon. Charles Ellis.
20	...	6½	9⅜	Zambesi ...	British Museum.

**(Tragelaphus gratus).***Habitat*—West Africa.

Length.		Circum- ference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
19	...	...	...	Gaboon ... ..	British Museum.
18	23½	7⅞	11⅜	Do. ... ..	Sir Victor Brooke's Collection.

**INYALA (*Tragelaphus angasi*).**

[G. F. ANGAS, P.Z.S. 1848, p. 89.]

THIS brilliant Antelope, the Inyala of the Amazulu, appears to be a link between the Koodos and Boshbok, uniting in itself the markings and characteristic features of both these animals. The adult male is about 7 ft. 6 in. in total length, and 3 ft. 4 in. high at the shoulder. Though elegant in form, and much of the grace of the solitary Koodos, the robust and shaggy aspect of the male bears considerable resemblance to that of the Goat. Legs clean; hoofs pointed and black, with two oval cream-coloured spots in front of each fetlock, immediately above the hoof; horns 1 ft. 10 in. long, twisted and sublyrate, very similar to those of the Boshbok, but rather more spiral; have polished extremities of a pale straw colour; rest of horns brownish-black, deeply ridged from the forehead to about half the length of the horn; prevailing colour greyish-black, tinged with purplish-brown and ochre; on the neck, flanks, and cheeks, marked with several white stripes like the Koodos; forehead brilliant sienna-brown, almost approaching to orange; mane black down the back and white from the withers to the insertion of the tail; ears 8 in. long, oval, rufous, tipped with black and fringed inside with white hairs; a pale ochreous circle round the eyes, which are connected by two white spots forming an arrow-shaped mark on a black ground; nose black; a white spot on each side of the upper lip; chin and gullet white; and three white marks under each eye; neck covered with long shaggy hair, extending also under the belly and fringing the haunches to the knees; two white spots on the flanks, and a patch of long white hair on the anterior portion of the thigh; a white tuft under the belly and another on the dewlap; on the outer side of the fore-legs is a black patch above the knee surrounded by three white spots; legs below the knee bright rufous colour; tail 1 ft. 8 in. long, black above, with tip and inside white.

Female smaller and without horns.

The young resembles the female, but is rather paler in colour, and has more white spots on the flanks and sides.

Inhabits the lower undulating hills, scattered with Mimosa bushes, that border upon the northern shores of St. Lucia Bay, in the Zulu country, lat. 28° south. Found in small troops of eight or ten together, feeding amongst the thickets.



**INYALA** (*Tragelaphus angasi*)—*continued.**Habitat*—South-East Africa and Zulu Country.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round curve.	Straight.				
28	...	8 $\frac{1}{8}$	10 $\frac{1}{8}$	South Africa ...	British Museum.
27 $\frac{5}{8}$	22 $\frac{1}{2}$	7 $\frac{7}{8}$	9 $\frac{1}{2}$	Do. ...	Sir Victor Brooke's Collection.
27 $\frac{3}{8}$	...	8 $\frac{1}{8}$	10 $\frac{1}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
26 $\frac{3}{4}$	22	7 $\frac{3}{4}$	12 $\frac{1}{4}$	Do. ...	Sir Victor Brooke's Collection.
26 $\frac{1}{4}$	22	6 $\frac{7}{8}$	11 $\frac{5}{8}$	Do. ...	F. C. Selous.
23	...	7	5 $\frac{5}{8}$	Zulu Country ....	R. S. Fellowes, British Museum.
22	...	...	...	... ..	Angas, P.Z.S. 1848, p. 89.

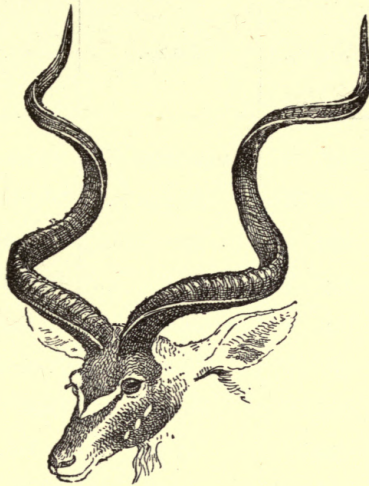
**TRAGELAPHUS EURYCEROS.**

[Sir VICTOR BROOKE, Bart., P.Z.S. 1871, p. 485.]

HAIR of sides smooth and short, striped with white bands, descending from a white dorsal streak; hoofs short; general colour deep chestnut; stripes strongly marked, numerous; horns smooth, massive; neck, back, and belly maneless; tail bovine; fore limbs with dark markings anteriorly.

*Habitat*—West Africa.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
On curve.	Straight.				
31 $\frac{3}{4}$	26 $\frac{1}{2}$	9 $\frac{3}{4}$	12 $\frac{3}{8}$	... ..	Sir Victor Brooke's Collection.
30 $\frac{3}{4}$	24 $\frac{7}{8}$	10 $\frac{7}{8}$	12 $\frac{3}{8}$	West Africa ...	Do.
30	24 $\frac{1}{8}$	9 $\frac{5}{8}$	11 $\frac{1}{4}$	Ashkanholoo Mountains.	British Museum.
29 $\frac{1}{2}$	25 $\frac{7}{8}$	9 $\frac{3}{4}$	10 $\frac{1}{8}$	... ..	P. Du Chaillu, British Museum.
27 $\frac{5}{8}$	23 $\frac{3}{4}$	10 $\frac{1}{8}$	10 $\frac{5}{8}$	Fantee ...	Do.
...	19 $\frac{7}{8}$	8	6 $\frac{5}{8}$	Gaboon ...	Do.

GREATER KOODOO (*Strepsiceros kudu*).*Somali name*—"Godir."*Schuana name*—"Tolo."*Lower Zambesi name*—"Goma."*Habitat*—North, East, and South Africa.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
45 $\frac{3}{8}$	60 $\frac{3}{8}$	11 $\frac{1}{2}$	33	South Africa ...	F. C. Selous.
45 $\frac{1}{8}$	55 $\frac{7}{8}$	11 $\frac{1}{4}$	37 $\frac{1}{8}$	Do. ...	W. C. Oswald.
44 $\frac{7}{8}$	57 $\frac{1}{4}$	11 $\frac{3}{4}$	34 $\frac{3}{8}$	Africa ...	Sir Edmund G. Loder, Bart.
44 $\frac{1}{4}$	59	10 $\frac{1}{4}$	26	South Africa ...	The late J. S. Jameson.
44 $\frac{1}{4}$	56 $\frac{1}{4}$	11 $\frac{3}{8}$	33 $\frac{1}{4}$	Do. ...	Hon. Walter Rothschild.



GREATER KOODOO (*Strepsiceros kudu*)—*continued.*

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
43 $\frac{7}{8}$	61 $\frac{1}{4}$	10 $\frac{5}{8}$	29	South Africa ...	Rowland Ward's Collection.
43 $\frac{5}{8}$	55 $\frac{1}{2}$	10	44 $\frac{7}{8}$	Do. ...	W. C. Oswell.
43 $\frac{1}{2}$	54 $\frac{1}{2}$	11 $\frac{1}{2}$	33 $\frac{3}{4}$	Do. ...	Hon. Walter Rothschild.
43	57 $\frac{1}{8}$	11 $\frac{5}{8}$	34 $\frac{3}{4}$	Do. ...	H. and C. Beddington.
43	56 $\frac{1}{2}$	10 $\frac{1}{4}$	29	Do. ...	C. Ansell.
43	56	10 $\frac{3}{4}$	43	Do. ...	F. C. Selous.
43	55	11 $\frac{1}{2}$	25	Do. ...	Hon. Walter Rothschild.
42 $\frac{3}{4}$	54 $\frac{1}{8}$	11 $\frac{5}{8}$	33 $\frac{3}{8}$	Do. ...	A. Beit.
42 $\frac{5}{8}$	56 $\frac{1}{2}$	10 $\frac{3}{8}$	38 $\frac{3}{4}$	Do. ...	Sir Victor Brooke's Collection.
42 $\frac{1}{2}$	58 $\frac{1}{2}$	11	31 $\frac{1}{8}$ (owner's measurement)	Africa ...	Edmund Smith.
42 $\frac{1}{2}$	53	11 $\frac{1}{2}$	30	South Africa ...	A. W. Davies.
42 $\frac{1}{2}$	50	11 $\frac{1}{2}$	32	Africa ...	Major Gould Adams.
42	54	11	45	Do. ...	E. R. Thompson.
41 $\frac{7}{8}$	52 $\frac{1}{8}$	10 $\frac{3}{4}$	39 $\frac{5}{8}$	Do. ...	Hon. Charles Ellis.
41 $\frac{1}{2}$	57	9 $\frac{3}{4}$	31 $\frac{1}{2}$	South Africa ...	James Greenlees.
41 $\frac{1}{8}$	55 $\frac{3}{4}$	10 $\frac{1}{8}$	24 $\frac{3}{8}$	Do. ...	F. C. Selous.
41	64	...	...	Mashuna Land	F. C. Selous, "A Hunter's Wanderings."
41	57 $\frac{3}{4}$	9 $\frac{3}{4}$	24 $\frac{3}{4}$	South Africa ...	G. H. Banks.
41	56 $\frac{1}{2}$	10 $\frac{1}{4}$	28 $\frac{1}{2}$	Do. ...	C. Ansell.
41	53 $\frac{5}{8}$	10	25	Do. ...	J. A. Jameson.
40 $\frac{7}{8}$	53 $\frac{1}{2}$	10	33 $\frac{1}{8}$	Do. ...	The late J. S. Jameson.
40 $\frac{3}{4}$	62	10 $\frac{3}{8}$	23 $\frac{1}{2}$	Do. ...	F. C. Selous.
40 $\frac{5}{8}$	49 $\frac{7}{8}$	11 $\frac{1}{2}$	35 $\frac{3}{8}$	Do. ...	H. and C. Beddington.
40 $\frac{1}{2}$	51	10 $\frac{1}{4}$	28 $\frac{5}{8}$	Do. ...	A. Beit.
40 $\frac{1}{2}$	50	11 $\frac{3}{4}$	29 $\frac{1}{2}$	Do. ...	Rowland Ward's Collection.
40 $\frac{1}{4}$	52 $\frac{3}{8}$	10	36 $\frac{1}{2}$	Do. ...	Maj-Gen. Arthur Ellis, C.S.I.

GREATER KOODOO (*Strepsiceros kudu*)—*continued*.

Length.		Circumference	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
40 $\frac{1}{4}$	50 $\frac{1}{2}$	10 $\frac{3}{8}$	39 $\frac{1}{8}$	South Africa ...	H. Atkinson.
40	52 $\frac{7}{8}$	10 $\frac{1}{8}$	37	Delagoa Bay ...	Sir John Kirk, M.D., K.C.B.
40	52 $\frac{3}{8}$	9 $\frac{7}{8}$	27 $\frac{1}{4}$	South Africa ...	Bethnal Green Museum.
40	52 $\frac{3}{8}$	9 $\frac{3}{4}$	28 $\frac{3}{8}$	Do. ...	F. J. Horniman.
39 $\frac{7}{8}$	49 $\frac{7}{8}$	10 $\frac{7}{8}$	40 $\frac{1}{2}$	Do. ...	R. M. Sagar Musgrave.
39 $\frac{3}{4}$	54 $\frac{1}{8}$	11 $\frac{1}{2}$	23 $\frac{3}{8}$	Do. ...	The late J. S. Jameson.
39 $\frac{3}{4}$	51 $\frac{1}{2}$	10 $\frac{1}{4}$	28 $\frac{5}{8}$	Do. ...	W. P. Rylands.
39 $\frac{3}{4}$	50 $\frac{1}{2}$	10 $\frac{1}{2}$	35	Do. ...	Hon. Charles Ellis.
39 $\frac{5}{8}$	51 $\frac{1}{8}$	11 $\frac{1}{4}$	31 $\frac{1}{2}$	Do. ...	W. P. Rylands.
39 $\frac{1}{2}$	52 $\frac{3}{4}$	10 $\frac{3}{4}$	18 $\frac{1}{4}$	Do. ...	Do.
39 $\frac{1}{4}$	53 $\frac{1}{2}$	10	31 $\frac{1}{8}$	Africa ...	Sir Victor Brooke's Collection.
39 $\frac{1}{4}$	48 $\frac{1}{2}$	10 $\frac{1}{2}$	39 $\frac{1}{2}$	South Africa ...	R. C. Dobson.
39	53 $\frac{1}{2}$	11	27 $\frac{1}{4}$	Do. ...	Rowland Ward's Collection.
39	52	9 $\frac{1}{2}$	33	Do. ...	E. R. Thompson.
39	50 $\frac{3}{4}$	10 $\frac{3}{4}$	27 $\frac{5}{8}$	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I.
38 $\frac{3}{4}$	51 $\frac{1}{8}$	10 $\frac{1}{4}$	28 $\frac{5}{8}$	Do. ...	A. Beit.
38 $\frac{1}{2}$	50 $\frac{1}{4}$	8 $\frac{1}{2}$	29 $\frac{1}{2}$	Africa ...	F. L. James, 1880.
38 $\frac{1}{4}$	51 $\frac{1}{4}$	10	20 $\frac{1}{2}$	South Africa ...	J. Carr-Saunders.
38	54 $\frac{7}{8}$	10	18 $\frac{1}{8}$	Do. ...	F. C. Selous.
38	49	8 $\frac{7}{8}$	29 $\frac{3}{8}$	Somali Land ...	C. Liddell.
38	48 $\frac{7}{8}$	9 $\frac{3}{8}$	36 $\frac{1}{4}$	South Africa ...	G. H. Banks.
38	...	11	33 $\frac{1}{2}$	Do. ...	Lieut. C. F. Gisborne.
38	48	10 $\frac{1}{2}$	36	Do. ...	J. A. Nicoll.
37 $\frac{1}{2}$	53 $\frac{5}{8}$	9 $\frac{3}{4}$	25 $\frac{3}{8}$	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I.
37 $\frac{1}{2}$	52 $\frac{1}{8}$	9 $\frac{1}{4}$	23 $\frac{1}{2}$	Somali Land ...	T. W. H. Clarke.
37 $\frac{1}{8}$	47 $\frac{1}{4}$	10 $\frac{1}{4}$	35 $\frac{1}{2}$	South Africa ...	H.R.H. Duke of Edinburgh.



GREATER KOODOO (*Strepsiceros kudu*)—*continued*.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
37	53½	9½	23	Somali Land ...	E. Lort-Phillips.
37	49½	11	20	Do. ...	A. Haggard.
37	49½	9¼	22¼	South Africa ...	F. C. Selous.
36½	50½	9½	34	Somali ...	E. Lort-Phillips.
36½	47½	10¼	27½	South Africa ...	British Museum.
36	56½	11	33½	Do. ...	M. S. Runcheman.
36	48½	10¾	31½	Do. ...	British Museum.
36	46¼	9¾	25	Africa ...	R. Farrow.
35¾	47¾	9¾	24½	Somali ...	A. H. Straker.
35½	47	9¼	33½	Africa ...	F. L. James.
35½	47½	10	30½	(killed by a lion) South Africa ...	British Museum.
35	48¼	9¾	27	Somali ...	Lieut. Merewether.
35	47½	8¾	38¾	Soudan ...	Col. Ralph Vivian.
35	45	9¾	32½	West Africa ...	Capt. F. Cookson.
34¾	46¾	10¼	21¼	South Africa ...	British Museum.
34½	46½	9½	...	Abyssinia ...	Do.
34½	44	9¾	21¾	South Africa ...	G. H. Banks.
...	44	10	31	Kaoko Land, West Africa.	Capt. F. Cookson.
...	44	9	...	North Africa ...	Capt. Brinkley.
...	43½	10½	29	West Africa ...	Capt. F. Cookson.
34¾	45¾	10¾	25½	South Africa ...	British Museum.
33¾	46½	9½	24½	Somali Land ...	Capt. H. G. C. Swayne.
33½	42¼	9¾	28½	West Africa ...	Capt. F. Cookson.
...	42	...	...	North Africa ...	Capt. Brinkley.
31½	41½	8¾	28¼	Abyssinia ...	British Museum.
28¼	37¾	8¼	31	Do. ...	Do.

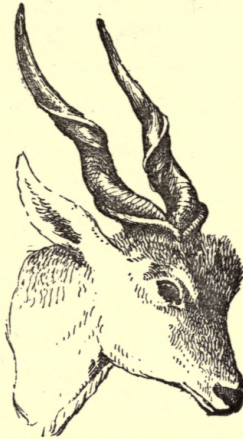
LESSER KOODOO (*Strepsiceros imberbis*).*Somali name*—"Anderio."*Habitat*—Africa: Somali Land to Masai Land.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round Curve.				
25½	30½	6¾	11½	Somali Land	A. H. Straker.
25¼	31½	6¾	11½	Do.	Sir John Kirk, M.D., K.C.B.
24½	31¼	6¾	14½	Do.	Capt. H. G. C. Swayne.
24½	...	6¾	14¼	Do.	Rowland Ward's Collection.
24¾	30¾	6¾	11¾	Do.	W. D. James.
24	30¾	6¾	9	Do.	E. P. Hare.
24	30½	6½	12	Do.	T. W. H. Clarke.
24	...	(owner's measurement)	...	...	Bombay Natural History Society.
23½	29	6½	11½	East Africa ...	Sir Robert Harvey, Bart.
...	29	...	12	Somali Land	Ernest Horn.



LESSER KOODOO (*Strepsiceros imberbis*)—*continued*.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight Line.	Round Curve.				
23	...	$6\frac{3}{4}$	$10\frac{3}{4}$	Somali Land	Col. Arthur Paget.
23	$28\frac{1}{8}$	$5\frac{1}{2}$	$11\frac{5}{8}$	Do.	Sir John Kirk, British Museum.
$22\frac{7}{8}$	$29\frac{3}{8}$	$6\frac{1}{8}$	$14\frac{1}{8}$	Do.	Lord Delamere.
$22\frac{1}{4}$	$28\frac{7}{8}$	$6\frac{1}{2}$	$15\frac{1}{4}$	Do.	Do.
$22\frac{1}{4}$	$29\frac{3}{8}$	$6\frac{3}{8}$	$13\frac{5}{8}$	Do.	E. Lort-Phillips.
$22\frac{1}{8}$	$28\frac{1}{4}$	$5\frac{3}{4}$	$13\frac{1}{8}$	Do.	J. Carr-Saunders.
$22\frac{1}{8}$	$26\frac{7}{8}$	$5\frac{1}{2}$	$12\frac{3}{4}$	South Somali Land.	Sir John Kirk, M.D., K.C.B.
22	28	$6\frac{3}{4}$	$9\frac{1}{2}$	Somali Land	C. H. Villiers.
$21\frac{7}{8}$	$28\frac{7}{8}$	$6\frac{1}{2}$	9	East Africa ...	H. C. V. Hunter.
$21\frac{1}{2}$	$28\frac{3}{8}$	$6\frac{5}{8}$	$10\frac{1}{8}$	Do.	Sir Robert Harvey, Bart.
$21\frac{5}{8}$	$27\frac{1}{4}$	$6\frac{1}{2}$	$12\frac{3}{4}$	South Somali Land.	Sir John Kirk, M.D., K.C.B.
$21\frac{3}{8}$	$27\frac{1}{4}$	$6\frac{5}{8}$	7	Somali Land	Hon. Walter Rothschild.
21	(owner's measurement)	...	...	Do.	J. D. Inverarity.
21	$27\frac{1}{4}$	$6\frac{1}{2}$	7	Do.	Rowland Ward's Collection.
$20\frac{3}{4}$	26	$6\frac{3}{8}$	$12\frac{1}{8}$	Do.	E. Lort-Phillips.
$20\frac{1}{2}$	25	$5\frac{5}{8}$	$12\frac{1}{8}$	East Africa ...	H. C. V. Hunter.
$20\frac{1}{4}$	26	6	$11\frac{3}{4}$	Do.	Sir Robert Harvey, Bart.
20	24	6	14	Do.	W. Astor Chanler.
19	$23\frac{1}{2}$	$5\frac{3}{4}$	$7\frac{1}{2}$	River Juba, Somali.	Sir John Kirk, British Museum.
$18\frac{7}{8}$	$24\frac{5}{8}$	$5\frac{1}{4}$	$4\frac{3}{4}$	East Africa ...	Sir Robert Harvey, Bart.
...	$24\frac{1}{8}$	$5\frac{5}{8}$	$12\frac{5}{8}$	Do.	H. C. V. Hunter.
$18\frac{7}{8}$	$22\frac{7}{8}$	$5\frac{1}{4}$	12	Somali Land	Sir John Kirk, British Museum.
$17\frac{5}{8}$	$21\frac{3}{8}$	$5\frac{3}{8}$	$5\frac{1}{8}$	Do.	Sir John Kirk, M.D., K.C.B.
17	...	...	14	Near Lanjora	Sir J. Willoughby, Bt., "East Africa and its Big Game."
$15\frac{1}{8}$	$17\frac{7}{8}$	$5\frac{1}{8}$	11	East Africa ...	F. J. Jackson.

**ELAND** (*Oreas canna*).**Do.** (*Do. derbianus*).*Bechuana Name*—"Impofu."*Habitat*—South, East, and Central Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
*34 $\frac{1}{4}$	12 $\frac{5}{8}$	22 $\frac{3}{4}$	... ..	Sir Edmund G. Loder, Bart.
34	13 $\frac{1}{2}$	(owner's measurements)	... ..	F. Coburn.
*34	12 $\frac{3}{4}$	...	... ..	J. Carr-Saunders.
*32 $\frac{1}{2}$	12 $\frac{1}{2}$	29 $\frac{7}{8}$	Gambia ...	Earl of Derby, British Museum.
*♀ 32 $\frac{1}{2}$	9 $\frac{1}{4}$	12 $\frac{3}{4}$	... ..	Sir Edmund G. Loder, Bart.
*32	13	24 $\frac{1}{2}$	... ..	Hon. Walter Rothschild.
*31 $\frac{7}{8}$	11 $\frac{5}{8}$	28 $\frac{5}{8}$	Senegambia ...	Earl of Derby, British Museum.
31 $\frac{3}{4}$	12 $\frac{1}{4}$	22 $\frac{3}{4}$	... ..	Hon. Walter Rothschild.

\* *Oreas derbianus*.



ELAND (*Oreas canna* and *Oreas derbianus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♂ 31 $\frac{5}{8}$	10 $\frac{1}{4}$	25 $\frac{1}{2}$	East Africa ...	F. J. Jackson.
♀ 31 $\frac{1}{2}$	8 $\frac{1}{4}$	20 $\frac{3}{8}$	South Africa ...	F. C. Selous.
♂ 31 $\frac{1}{2}$	12 $\frac{3}{4}$	12 $\frac{1}{2}$	Mashonaland ...	Do. British Museum.
* 31 $\frac{1}{8}$	12	18 $\frac{5}{8}$	... ..	Sir Victor Brooke's Collection.
♂ 31	13	12	South Africa ...	F. C. Selous.
* 30 $\frac{7}{8}$	10 $\frac{3}{4}$	26 $\frac{3}{4}$	... ..	F. W. Reade, British Museum.
♀ 30 $\frac{7}{8}$	7 $\frac{7}{8}$	15 $\frac{3}{4}$	South Africa ...	F. C. Selous.
♂ 30 $\frac{3}{4}$	12 $\frac{3}{8}$	16 $\frac{1}{8}$	Do. ...	Do.
♂ 29 $\frac{5}{8}$	11 $\frac{1}{4}$	19 $\frac{1}{8}$	Mashonaland ...	Do. British Museum.
♀ 29 $\frac{5}{8}$	7 $\frac{1}{2}$	21 $\frac{1}{8}$	South Africa ...	Do.
29 $\frac{3}{8}$	7 $\frac{3}{4}$	9 $\frac{3}{8}$	Algoa Bay ...	British Museum.
♀ 29 $\frac{3}{8}$	6 $\frac{5}{8}$	17 $\frac{5}{8}$	... ..	W. C. Oswell.
29 $\frac{1}{8}$	12 $\frac{1}{2}$	14 $\frac{7}{8}$	South Africa ...	F. C. Selous.
♂ 29	...	...	Mashonaland ...	Do. "A Hunter's Wanderings."
29	10 $\frac{1}{2}$	21	South Africa ...	Major Gould Adams.
28 $\frac{1}{4}$	10 $\frac{1}{2}$	19 $\frac{1}{2}$	... ..	Do.
♀ 28 $\frac{1}{4}$	7 $\frac{7}{8}$	13 $\frac{3}{4}$	South Africa ...	F. C. Selous.
♂ 27 $\frac{7}{8}$	12 $\frac{1}{2}$	20 $\frac{1}{2}$	Do. ...	Do.
♀ 27 $\frac{3}{4}$	6 $\frac{5}{8}$	12 $\frac{1}{4}$	Do. ...	H. Atkinson.
♂ 27 $\frac{1}{2}$	10 $\frac{1}{8}$	18 $\frac{3}{8}$	Do. ...	Do.
27 $\frac{1}{2}$	...	20 $\frac{1}{2}$	Do. ...	Dr. Knight Bruce (Bishop of Bloomfontein).
♀ 27	...	10	... ..	Sir John Willoughby, Bart., "East Africa and its Big Game."
27	10 $\frac{1}{2}$	18 $\frac{3}{4}$	... ..	R. C. Dobson.
27	8 $\frac{1}{8}$	12 $\frac{5}{8}$	South Africa ...	The late J. S. Jameson.
27	11 $\frac{1}{2}$	18 $\frac{1}{4}$	... ..	Rowland Ward's Collection.
27	...	...	Mashonaland ...	F. C. Selous, "A Hunter's Wanderings."

\* *Oreas derbianus*.

ELAND (*Oreas canna* and *Oreas derbianus*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
26 $\frac{7}{8}$	10 $\frac{1}{2}$	17 $\frac{3}{4}$	South Africa ...	The late J. S. Jameson.
26 $\frac{3}{4}$	10	19 $\frac{1}{2}$	... ..	H. R. H. Duke of Edinburgh.
26 $\frac{5}{8}$	7 $\frac{5}{8}$	18	South Africa ...	The late J. S. Jameson.
26 $\frac{1}{2}$	12 $\frac{1}{4}$	12 $\frac{3}{8}$	Do. ...	F. C. Selous.
26 $\frac{3}{8}$	8 $\frac{3}{8}$	15 $\frac{1}{4}$	Mashonaland ...	Do. British Museum.
♀ 26 $\frac{1}{4}$	7 $\frac{3}{8}$	19 $\frac{3}{4}$	... ..	Earl of Derby, British Museum.
♀ 26	8 $\frac{1}{4}$	10 $\frac{1}{8}$	West Africa ...	Capt. F. Cookson.
25 $\frac{7}{8}$	11 $\frac{1}{2}$	12 $\frac{7}{8}$	Mashonaland ...	F. C. Selous, British Museum.
♂ 25 $\frac{3}{4}$	11 $\frac{5}{8}$	14 $\frac{1}{8}$	Do. ...	Do. Do.
25 $\frac{3}{4}$	10 $\frac{1}{8}$	12	East Africa ...	H. C. V. Hunter.
25 $\frac{5}{8}$	11 $\frac{1}{2}$	13 $\frac{1}{2}$	South Africa ...	J. A. Jameson.
♀ 25 $\frac{5}{8}$	8 $\frac{1}{8}$	14 $\frac{1}{2}$	Mashonaland ...	F. C. Selous, British Museum.
25 $\frac{5}{8}$	13	8 $\frac{1}{8}$	South Africa ...	J. A. Jameson.
25 $\frac{1}{2}$	12	7	Do. ...	A. Beit.
♀ 25 $\frac{1}{2}$	7 $\frac{5}{8}$	10 $\frac{1}{4}$	Do. ...	Do.
25 $\frac{1}{8}$	9 $\frac{7}{8}$	16 $\frac{1}{8}$	East Africa ...	H. C. V. Hunter.
♀ 25 $\frac{1}{8}$	6 $\frac{1}{4}$	9 $\frac{1}{8}$	Do. ...	Sir Robert Harvey, Bart.
♀ 25	7	14 $\frac{1}{2}$	South Africa ...	A. W. Davis.
24 $\frac{5}{8}$	10 $\frac{1}{8}$	13	Do. ...	The Hon. Charles Ellis.
24 $\frac{1}{2}$	11	15	... ..	J. A. Nicoll.
24 $\frac{1}{2}$	6 $\frac{3}{8}$	10 $\frac{1}{2}$	East Africa ...	H. C. V. Hunter.
24 $\frac{3}{8}$	6 $\frac{1}{4}$	15 $\frac{1}{8}$	Do. ...	F. J. Jackson.
24 $\frac{1}{4}$	12 $\frac{3}{4}$	13	Mashonaland ...	F. C. Selous, British Museum.
* 24 $\frac{1}{4}$	9	6 $\frac{1}{4}$	Senegambia ...	F. W. Reade, British Museum.
♀ 24 $\frac{1}{8}$	6 $\frac{1}{4}$	2	... ..	Sir Victor Brooke's Collection.
24	7 $\frac{1}{2}$	12	East Africa ...	Gen. Matthews.

\* *Oreas derbianus*.



**ELAND** (*Oreas canna* and *Oreas derbianus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
24	...	12½	East Africa ...	H. C. V. Hunter.
♂ 24	...	12	Do. ...	Sir John Willoughby, Bart., "East Africa and its Big Game."
♂ 23½	9½	12¼	Do. ...	Sir Robert Harvey, Bart.
23¾	10¼	13½	... ..	W. C. Oswald.
23⅝	7⅞	11¼	East Africa ...	H. C. V. Hunter.
♀ 23½	6½	9½	Do. ...	Sir Robert Harvey, Bart.
23½	10½	11	Do. ...	Prince Boris Czetwertynski.
23½	7¼	17⅞	Do. ...	Sir John Kirk, M.D., K.C.B.
23½	10¾	11	South Africa ...	H. and C. Beddington.
23⅝	9¼	12⅝	Do. ...	Bethnal Green Museum.
♀ 23¼	6⅝	6⅝	East Africa ...	Sir Robert Harvey, Bart.
♂ 23⅝	10⅞	12½	... ..	Sir Edmund G. Loder, Bart.
23	10	10	East Africa ...	Prince Stargynski.
♂ 22¾	9⅞	9¼	Do. ...	F. J. Jackson.
22¾	6¾	12	South Africa ...	British Museum.
22	9⅞	10¾	... ..	The Hon. Walter Rothschild.
♀ 22	5¾	12¾	... ..	Sir Edmund G. Loder, Bart.
22	6⅝	10	East Africa ...	F. J. Jackson.
20¾	11⅝	10¼	South Africa ...	The late J. S. Jameson.
19⅝	11⅞	12¼	... ..	Earl of Derby, British Museum.

\* *Oreas derbianus*.

CHAMOIS (*Rupicapra tragus*).*Habitat*—Mountains of Europe, from the Pyrenees to Caucasus.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
10 $\frac{1}{4}$	3 $\frac{1}{2}$	5 $\frac{1}{4}$	... ..	E. N. Buxton.
10 $\frac{1}{4}$	4 $\frac{1}{8}$	3 $\frac{7}{8}$	Caucasus ...	Sir Edmund G. Loder, Bart.
9 $\frac{7}{8}$	3 $\frac{1}{4}$	4 $\frac{1}{4}$	... ..	H.R.H. Duke of Edinburgh.
*9 $\frac{3}{4}$	3 $\frac{1}{2}$	5 $\frac{1}{8}$	... ..	H.I. and R.H. Crown Prince Rudolph of Austria, British Museum.
*9 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{7}{8}$	Transylvania ...	C. G. Danford, British Museum.
9 $\frac{5}{8}$	3 $\frac{1}{4}$	4 $\frac{1}{2}$	Caucasus ...	St. George Littledale, 1891.
9 $\frac{5}{8}$	3 $\frac{3}{4}$	4 $\frac{3}{4}$	Piz Diavel ...	E. N. Buxton, 1876.
9 $\frac{5}{8}$	3 $\frac{5}{8}$	4	... ..	Capt. Townley Parker.
9 $\frac{5}{8}$	3	3 $\frac{5}{8}$	... ..	The Hon. Walter Rothschild.
*9 $\frac{5}{8}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	Tyrol ... ..	H.I. and R.H. Crown Prince Rudolph of Austria, British Museum.
9 $\frac{3}{8}$	3 $\frac{1}{4}$	2 $\frac{5}{8}$	... ..	J. Carr-Saunders.
9 $\frac{1}{4}$	2 $\frac{1}{2}$	4	Alps ... ..	Gen. Hardwicke, British Museum.
9 $\frac{1}{8}$	3 $\frac{3}{8}$	3 $\frac{7}{8}$	... ..	H.R.H. Duke of Edinburgh.
9 $\frac{1}{8}$	2 $\frac{3}{4}$	4 $\frac{1}{4}$	... ..	Do.
9	3 $\frac{1}{2}$	3 $\frac{3}{4}$	... ..	W. H. Briggs.
♀ 9	2 $\frac{3}{4}$	4 $\frac{1}{2}$	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
8 $\frac{3}{4}$	3 $\frac{3}{8}$	4 $\frac{1}{8}$	... ..	Do.
8 $\frac{3}{4}$	3 $\frac{1}{2}$	4	... ..	Rowland Ward's Collection.
8 $\frac{3}{4}$	3 $\frac{3}{8}$	3	Caucasus ...	St. George Littledale.
8 $\frac{3}{4}$ × 5 $\frac{1}{4}$	3 $\frac{3}{8}$ × 2 $\frac{3}{4}$	4 $\frac{1}{8}$ × 3 $\frac{1}{8}$ (4 horns)	... ..	Capt. Townley Parker.
8 $\frac{3}{4}$	3	3 $\frac{7}{8}$	... ..	Gerald Buxton, 1883.
8 $\frac{3}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{8}$	Caucasus ...	St. George Littledale.

\* *Rupicapra vulgaris*.



CHAMOIS (*Rupicapra tragus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
8 $\frac{3}{4}$	2 $\frac{7}{8}$	21	... ..	The Hon. Walter Rothschild.
8 $\frac{5}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{2}$	... ..	E. W. Reegan.
8 $\frac{5}{8}$	3 $\frac{1}{2}$	2 $\frac{3}{8}$	Caucasus	St. George Littledale, 1891.
8 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{7}{8}$	Do. ...	Do. 1887.
*8 $\frac{1}{2}$	2 $\frac{5}{8}$	4	Alps ...	J. Gould, British Museum.
♀ 8 $\frac{3}{8}$	2 $\frac{1}{4}$	4 $\frac{3}{8}$	Pyrenees	Sir Victor Brooke's Collection.
8 $\frac{3}{8}$	3	3 $\frac{1}{4}$	... ..	British Museum.
8 $\frac{3}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$	Caucasus	St. George Littledale, 1887.
8 $\frac{1}{4}$	3 $\frac{3}{8}$	2 $\frac{3}{4}$	Do. ...	Do. 1891.
8 $\frac{1}{4}$	2 $\frac{7}{8}$	4	... ..	H.R.H. Duke of Edinburgh.
8 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{8}$	Alps ...	Gen. Hardwicke, British Museum.
♀ 8 $\frac{1}{8}$	2 $\frac{5}{8}$	4 $\frac{7}{8}$	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
8 $\frac{1}{8}$	2 $\frac{7}{8}$	3 $\frac{1}{2}$	... ..	E. N. Buxton.
♀ 8 $\frac{1}{8}$	3	2	Caucasus	St. George Littledale, 1887.
8 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	Do. ...	Do. 1886.
♀ 8	2 $\frac{1}{2}$	3	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
8	3 $\frac{3}{8}$	2 $\frac{7}{8}$	Caucasus	St. George Littledale, 1887.
♀ 8	2 $\frac{3}{4}$	3 $\frac{3}{8}$	Do. ...	Do. 1886.
7 $\frac{7}{8}$	3 $\frac{1}{2}$	1 $\frac{5}{8}$	Do. ...	Do. 1891.
7 $\frac{3}{4}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	Do. ...	Do. 1887.
7 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{5}{8}$	... ..	E. N. Buxton, 1883.
7 $\frac{3}{4}$	2 $\frac{7}{8}$	3	Alps ...	Dr. J. E. Gray, British Museum.
♀ 7 $\frac{3}{4}$	2 $\frac{3}{4}$	3 $\frac{7}{8}$	Caucasus	St. George Littledale, 1887.
♀ 7 $\frac{5}{8}$	2 $\frac{7}{8}$	2 $\frac{3}{8}$	Do. ...	Do. 1887.
*7 $\frac{1}{2}$	2 $\frac{3}{4}$	2 $\frac{7}{8}$	Do. ...	British Museum.
7 $\frac{1}{2}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	Do. ...	St. George Littledale, 1887.

\* *Rupicapra vulgaris*.

CHAMOIS (*Rupicapra tragus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
♀ 7½	2¾	5	Caucasus ...	St. George Littledale, 1891.
♀ 7¾	2⅞	3½	Do. ...	Do. 1887.
7¼	3⅜	3⅝	Pyrenees ...	British Museum.
7½	2⅞	1⅞	Especieres ...	E. N. Buxton, 1882.
7	2⅝	2	Alps ...	Gen. Hardwicke, British Museum.
♀ 7	2⅜	3½	Pyrenees ...	Sir Victor Brooke's Collection.
6⅞	3¼	2⅞	Alps ...	Dr. J. E. Gray, British Museum.
♀ 6⅞	2⅝	2¾	Caucasus ...	St. George Littledale, British Museum.
6¾	3⅞	2⅞	Alps ...	Dr. J. E. Gray, British Museum.
♀ 6½	2⅞	3⅝	Pyrenees ...	Sir Victor Brooke's Collection.
♀ 6	2¾	3⅞	Caucasus ...	St. George Littledale, 1886.
6	2⅝	2⅝	... ...	Sir Victor Brooke's Collection.

GOORAL or HIMALAYAN CHAMOIS (*Nemorhædus goral*).*Habitat*—Himalayas, from Bhotan and Sikim to Kashmir.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
7⅝	3¼	3½	India ...	Hume Collection, British Museum
7	3¼	2¾	Do. ...	Capt. J. A. Orr-Ewing.
7	3½	2⅞	Do. ...	J. M. Nicolls.
6¾	3½	1	Do. ...	Capt. G. Campbell.
6⅝	3½	2⅞	Do. ...	Hume Collection, British Museum.
6⅜	3⅞	2⅞	Do. ...	J. Carr-Saunders.
6¼	3⅜	3½	Do. ...	Sir Victor Brooke's Collection.



**GOORAL or HIMALAYAN CHAMOIS (*Nemorhædus goral*)—**  
*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
*6 $\frac{1}{4}$	4	3 $\frac{1}{2}$	North Mongolia	Messrs. Dorries, British Museum.
6	2 $\frac{5}{8}$	1	... ..	Hume Collection, British Museum.
6	...	...	... ..	B. H. Hodgson, P.Z.S. 1834.
5 $\frac{7}{8}$	3 $\frac{1}{2}$	2 $\frac{3}{4}$	Kussowlie, North India.	Sir Victor Brooke's Collection.
5 $\frac{3}{4}$	2 $\frac{1}{2}$	2	... ..	Do.
5 $\frac{5}{8}$	3 $\frac{5}{8}$	2 $\frac{1}{2}$	... ..	H. F. Campbell.
5 $\frac{1}{4}$	3 $\frac{1}{8}$	2 $\frac{3}{4}$	Nepal ... ..	British Museum.
5 $\frac{1}{8}$	3 $\frac{3}{8}$	3	Do. ... ..	Do.
*4 $\frac{3}{4}$	3 $\frac{3}{8}$	1 $\frac{1}{2}$	Pekin ... ..	F. W. Styer, British Museum.
*4 $\frac{5}{8}$	3	2	North China ...	British Museum.
4 $\frac{1}{2}$	3 $\frac{1}{8}$	2 $\frac{1}{2}$	Kussowlie, North India.	Sir Victor Brooke's Collection.

\* Long-tailed Goral.

**JAPANESE GOORAL (*Nemorhædus crispus*).**

*Habitat*—Japan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
5 $\frac{1}{4}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$	Japan ... ..	British Museum.

SUMATRAN SEROW (*Nemorhædus sumatrensis*).*Native name*—"Cambing-Utan."*Habitat*—Sumatra.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
9	5	2	Sumatra ...	Hume Collection, British Museum.
$8\frac{3}{4}$	$5\frac{1}{4}$	$4\frac{1}{2}$	... ..	Do.
$8\frac{3}{8}$	$4\frac{7}{8}$	$4\frac{1}{4}$	... ..	Do.
$8\frac{1}{8}$	$5\frac{1}{2}$	$4\frac{1}{8}$	... ..	Do.
$8\frac{1}{8}$	$4\frac{7}{8}$	$3\frac{1}{4}$	... ..	Do.
8	5	$3\frac{7}{8}$	... ..	Do.
$7\frac{7}{8}$	$5\frac{1}{8}$	$2\frac{3}{4}$	... ..	Do.
$7\frac{3}{4}$	$4\frac{5}{8}$	$3\frac{1}{8}$	... ..	Do.
$7\frac{1}{8}$	$4\frac{1}{2}$	$4\frac{1}{8}$	... ..	Do.
7	$4\frac{3}{4}$	$1\frac{7}{8}$	... ..	Do.
$6\frac{1}{2}$	$4\frac{5}{8}$	$3\frac{1}{2}$	... ..	Do.
$6\frac{1}{2}$	$4\frac{1}{2}$	$2\frac{5}{8}$	... ..	Do.
$5\frac{7}{8}$	$3\frac{3}{4}$	$3\frac{5}{8}$	Moutmein, Tenasserion.	Lieut. R. C. Beavan, British Museum.
$5\frac{3}{4}$	$4\frac{1}{4}$	4	... ..	Hume Collection, British Museum.
5	$4\frac{1}{8}$	$3\frac{1}{4}$	... ..	Do.
$4\frac{5}{8}$	$3\frac{1}{4}$	$3\frac{7}{8}$	... ..	British Museum.





**HIMALAYAN SEROW or FOREST GOAT** (*Nemorhædus bubalinus*).

*Habitat*—Himalayas, from Kashmir to Sikim.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
10½	5¾	3½	... ..	Hon. Charles Ellis.
9¾	5⅝	4½	... ..	Sir Victor Brooke's Collection.
9¾	5⅝	6	Pir Punjal ...	R. Lydekker, British Museum.
9½	5⅝	4¾	Kashmir ...	St. George Littledale, 1877.
9½	4¾	3¼	Nepal ... ..	B. H. Hodgson, British Museum.
9¼	4½	3¾	... ..	Hume Collection, British Museum.
9⅛	5¼	5½	... ..	Do.
8¾	5¼	5¾	... ..	Do.
8	4¾	4¾	Near Darjeeling	R. Lydekker, British Museum.
8	4½	4⅝	Nepal ... ..	B. H. Hodgson, British Museum.
7¾	4⅝	4½	Do. ... ..	Do.
7¾	5	4¼	... ..	Hume Collection, British Museum.
*6½	3¼	2⅝	Ichang ... ..	P. Montgomery, British Museum.

\* *Nemorhædus cinereus*.



**ROCKY-MOUNTAIN GOAT** (*Haploceros montanus*).

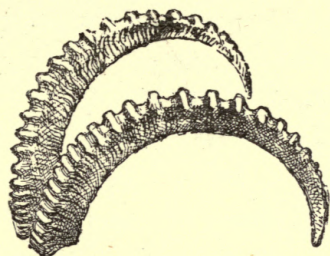
*Habitat*—North America.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
10 $\frac{1}{8}$	6 $\frac{1}{2}$	(owner's measurement)	North America ...	Arthur Pearse.
10 $\frac{1}{8}$	5	6 $\frac{1}{8}$	Do. ...	E. N. Buxton.
10	5 $\frac{3}{8}$	5	Do. ...	J. C. L. Knight-Bruce.
9 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{4}$	Do. ...	St. George Littledale.
9 $\frac{1}{2}$	4 $\frac{1}{4}$	...	Do. ...	J. D. Cobbold.
9 $\frac{3}{8}$	5 $\frac{1}{4}$	6 $\frac{1}{2}$	Do. ...	J. C. L. Knight-Bruce.
9 $\frac{1}{4}$	5 $\frac{1}{2}$	...	Do. ...	Earl of Lonsdale.
9 $\frac{1}{8}$	...	6	Montana ...	Thomas Bate, British Museum.
8 $\frac{3}{4}$	5	5 $\frac{1}{2}$	North America ...	St. George Littledale.
8 $\frac{1}{2}$	5 $\frac{1}{8}$	5 $\frac{3}{4}$	Do. ...	J. C. L. Knight-Bruce.
8	5	3 $\frac{3}{8}$	Rocky Mountains	J. K. Lord, British Museum.
8	4 $\frac{7}{8}$	6 $\frac{3}{8}$	North America ...	F. J. Horniman.



**TAKIN** (*Budorcas taxicolor*).*Habitat*—Northern India.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
22 $\frac{3}{8}$	10 $\frac{5}{8}$	14 $\frac{3}{4}$	Assam ... ..	British Museum.
20 $\frac{7}{8}$	11 $\frac{5}{8}$	11 $\frac{7}{8}$	India ... ..	Hume Collection, British Museum.
20 $\frac{3}{4}$	11 $\frac{7}{8}$	12 $\frac{1}{2}$	Do. ... ..	A. O. Hume, Private Collection.
20 $\frac{3}{4}$	9 $\frac{5}{8}$	13 $\frac{3}{8}$	Do. ... ..	Hume Collection, British Museum.
20 $\frac{1}{2}$	10 $\frac{7}{8}$	12 $\frac{3}{8}$	Nepal ... ..	B. H. Hodgson, British Museum.
19 $\frac{3}{8}$	11	15	India ... ..	Sir Edmund G. Loder, Bart.
18	10 $\frac{1}{4}$	8	Do. ... ..	British Museum.
16 $\frac{1}{8}$	8 $\frac{3}{4}$	10 $\frac{3}{4}$	Do. ... ..	Do.
15 $\frac{1}{4}$	9 $\frac{3}{8}$	5 $\frac{3}{4}$	Mishmi Mountains	B. H. Hodgson, British Museum.
14 $\frac{3}{8}$	8 $\frac{3}{4}$	8 $\frac{7}{8}$	Upper Assam ...	Lieut.-Col. Graham.

**HIMALAYAN IBEX** (*Capra sibirica*).

*Habitat*—Himalayas from Kashmir to Nepal, and northwards to Turkestan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
51½	(owner's measurement)	...	Kashmir ...	Martyn Kennard.
51¼	10½	16	India ...	Blyth, P.Z.S. 1840, p. 80.
51	9½	28½	Do. ...	Sir Victor Brooke's Collection.
50	9	...	... ..	Capt. John Brickley.
49¾	10¾	25¼	India ...	Sir Edmund G. Loder, Bart.
49½	10¾	42	Kashmir ...	Martyn Kennard, 1887.
48½	9½	30½	India ...	A. O. Hume, Private Collection.
47¾	9½	20¾	Do. ...	Do.
47½	10¼	20	Do. ...	Rowland Ward's Collection.
47	11¾	...	... ..	Carl Hagenback.
47	10½	29¾	Kashmir ...	Martyn Kennard.
47	10	...	India ...	Manners Smith.
46¾	10½	24½	Dangloongma ...	Martyn Kennard, 1888.
46½	11	24¾	India ...	Hon. Charles Ellis.
46½	10¼	20	Kashmir ...	Martyn Kennard.
46	10¾	25	India ...	Col. G. Jackson, 1867.
46	9¾	25	Do. ...	Sir Victor Brooke's Collection.



HIMALAYAN IBEX (*Capra sibirica*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
45 $\frac{5}{8}$	9	9 $\frac{3}{8}$	Kashmir ...	Martyn Kennard.
45 $\frac{1}{2}$	10 $\frac{1}{2}$	15 $\frac{1}{4}$	Do. ...	Do.
45 $\frac{1}{2}$	9 $\frac{1}{2}$	...	India ...	Capt. Townley Parker.
45 $\frac{3}{8}$	9 $\frac{1}{2}$	22 $\frac{1}{4}$	Kashmir ...	Martyn Kennard.
45	11	36	India ...	Col. G. Jackson, 1867.
44 $\frac{5}{8}$	10 $\frac{3}{4}$	30	Do. ...	A. O. Hume, Private Collection.
44 $\frac{1}{2}$	11 $\frac{3}{4}$	26	Do. ...	Capt. Orr-Ewing.
43 $\frac{3}{4}$	11 $\frac{1}{2}$	16	Do. ...	J. Carr-Saunders.
43 $\frac{3}{4}$	10 $\frac{1}{4}$	25 $\frac{1}{8}$	Kashmir ...	Martyn Kennard.
43 $\frac{5}{8}$	10 $\frac{1}{4}$	24 $\frac{3}{4}$	India ...	Sir Robert Harvey, Bart.
43 $\frac{1}{2}$	9 $\frac{3}{4}$	19	Do. ...	Hume Collection, British Museum.
43 $\frac{1}{2}$	(owner's measurement)	...	Do. ...	Capt. A. A. Kinloch (his book).
43 $\frac{1}{4}$	10 $\frac{1}{8}$	27 $\frac{1}{8}$	Kashmir ...	Martyn Kennard.
43	12 $\frac{1}{2}$	35 $\frac{1}{2}$	India ...	T. W. H. Greenfield.
43	...	...	Do. ...	Lewis Flower.
42 $\frac{7}{8}$	11 $\frac{1}{8}$	25 $\frac{3}{4}$	Do. ...	A. O. Hume, Private Collection.
42 $\frac{7}{8}$	10 $\frac{1}{2}$	...	Do. ...	H. C. V. Hunter.
42 $\frac{7}{8}$	10 $\frac{3}{8}$	20 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
42 $\frac{3}{4}$	9 $\frac{1}{8}$	25 $\frac{3}{8}$	Do. ...	Do.
42 $\frac{1}{2}$	9 $\frac{1}{2}$	20	Do. ...	J. D. Cobbold.
42 $\frac{1}{8}$	9 $\frac{5}{8}$	20 $\frac{7}{8}$	Kashmir ...	Martyn Kennard.
42	6 $\frac{1}{2}$	27	India ...	Capt. Townley Parker.
41 $\frac{7}{8}$	10 $\frac{1}{8}$	20 $\frac{1}{2}$	Kashmir ...	Martyn Kennard.
41 $\frac{5}{8}$	10 $\frac{3}{4}$	22 $\frac{1}{4}$	Do. ...	Do.
41 $\frac{5}{8}$	10	21 $\frac{1}{8}$	Do. ...	Do.
41 $\frac{1}{2}$	10 $\frac{1}{2}$	23 $\frac{1}{2}$	India ...	C. Spedding.
41 $\frac{1}{2}$	9 $\frac{5}{8}$	17 $\frac{3}{4}$	Kashmir ...	Martyn Kennard.
41 $\frac{3}{8}$	10 $\frac{1}{4}$	20 $\frac{3}{8}$	Do. ...	Do.

HIMALAYAN IBEX (*Capra sibirica*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
41 $\frac{1}{4}$	9 $\frac{1}{2}$	33 $\frac{1}{8}$	Kashmir ...	Martyn Kennard.
41 $\frac{1}{8}$	10 $\frac{1}{2}$	12 $\frac{5}{8}$	Do. ...	Do.
41	(owner's measurement)	...	India ...	Capt. A. A. Kinloch.
41	10	26 $\frac{3}{4}$	Kashmir ...	Martyn Kennard.
40 $\frac{5}{8}$	10 $\frac{3}{4}$	33 $\frac{3}{4}$	India ...	Sir Edmund G. Loder, Bart.
40 $\frac{1}{2}$	11 $\frac{1}{4}$	21 $\frac{1}{2}$	Do. ...	Hon. Charles Ellis.
40 $\frac{1}{2}$	10	22 $\frac{1}{8}$	Kashmir ...	Martyn Kennard.
40 $\frac{1}{2}$	9 $\frac{7}{8}$	22 $\frac{3}{4}$	India ...	Sir Robert Harvey, Bart.
40 $\frac{1}{8}$	8 $\frac{1}{2}$	25 $\frac{3}{8}$	Kashmir ...	Martyn Kennard.
40	10 $\frac{1}{4}$	17 $\frac{3}{4}$	Do. ...	Do.
40	10	27	India ...	W. F. Templer.
40	9 $\frac{3}{4}$	18 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
40	8 $\frac{3}{4}$	23	Do. ...	Hume Collection, British Museum.
39 $\frac{7}{8}$	10 $\frac{5}{8}$	24 $\frac{5}{8}$	Jay Nai Valley, Kashmir.	British Museum.
39 $\frac{7}{8}$	10 $\frac{1}{2}$	18 $\frac{5}{8}$	Kashmir ...	Martyn Kennard.
39 $\frac{5}{8}$	9 $\frac{7}{8}$	13 $\frac{1}{4}$	... ..	Reginald Beech.
39 $\frac{5}{8}$	9	21 $\frac{1}{8}$	Mongolia ...	St. George Littledale.
39 $\frac{1}{2}$	9 $\frac{7}{8}$	17 $\frac{1}{2}$	Himalayas ...	Sir Victor Brooke's Collection.
39 $\frac{1}{2}$	9 $\frac{1}{2}$	22 $\frac{1}{2}$	Ladak ...	Capt. Strachey, British Museum.
39 $\frac{1}{2}$	8 $\frac{3}{8}$	26	Kashmir ...	Martyn Kennard.
39 $\frac{1}{4}$	9 $\frac{7}{8}$	15 $\frac{1}{2}$	Do. ...	Do.
39 $\frac{1}{4}$	9 $\frac{3}{8}$	24 $\frac{1}{2}$	Astor ...	Sir Victor Brooke's Collection, 1875.
39	9 $\frac{1}{2}$	14 $\frac{1}{4}$	India ...	Hume Collection, British Museum.
39	9	25 $\frac{7}{8}$	Kashmir ...	Martyn Kennard.
38 $\frac{7}{8}$	8 $\frac{7}{8}$	...	India ...	F. Morrice.
38 $\frac{3}{4}$	9 $\frac{7}{8}$	30 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
38 $\frac{5}{8}$	10 $\frac{1}{8}$	30 $\frac{1}{8}$	Himalayas ...	Capt. Townley Parker.
38 $\frac{1}{2}$	10	25 $\frac{1}{2}$	India ...	Capt. M. Murphy.



**HIMALAYAN IBEX** (*Capra sibirica*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
38½	9⅜	15⅞	Yarkund ...	Dr. Bellew, British Museum.
38½	9	24½	India ...	Rowland Ward's Collection.
38⅜	9½	18⅜	Kashmir ...	R. Lydekker, British Museum.
38¼	10⅜	22½	India ...	Hon. Walter Rothschild.
37⅞	10⅞	22⅜	Do. ...	British Museum.
37⅞	10¼	15⅞	Kashmir ...	Martyn Kennard.
37¾	10⅜	24¼	India ...	H. R. H. Duke of Edinburgh.
37⅝	11⅛	27¾	Do. ...	Bethnal Green Museum.
37⅝	10	12½	Do. ...	Reginald Beech.
37⅝	9⅝	18½	Kashmir ...	Martyn Kennard.
37½	10	17⅞	India ...	Sir Robert Harvey, Bart.
37⅜	9¼	23	Do. ...	Hume Collection, British Museum.
37¼	10⅝	18⅜	Kashmir ...	Martyn Kennard.
37⅞	8¾	13½	Do. ...	St. George Littledale.
36⅞	9½	30¾	India ...	British Museum.
36¾	11¼	24	Kashmir ...	Sir Victor Brooke's Collection.
36¾	9¼	26	India ...	Hume Collection, British Museum.
36⅝	9⅞	22½	Kashmir ...	St. George Littledale, 1877.
36⅝	9⅞	13⅜	India ...	H. C. V. Hunter.
36½	9½	27½	Do. ...	J. Carr-Saunders.
36½	9⅞	20⅞	Do. ...	Hume Collection, British Museum.
36⅜	9⅜	17¾	Kashmir ...	Martyn Kennard.
36⅜	9⅞	23	Do. ...	St. George Littledale.
36⅜	9⅜	13¼	India ...	H. de Burgh.
36⅜	8⅞	21½	Do. ...	F. J. Jackson.
36⅞	8⅞	13½	Do. ...	H. de Burgh.
36⅞	9⅞	24¾	Kashmir ...	Martyn Kennard.
36	10⅜	18½	India ...	Hume Collection, British Museum.

HIMALAYAN IBEX (*Capra sibirica*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
35 $\frac{3}{4}$	8 $\frac{5}{8}$	17 $\frac{1}{8}$	Kashmir ...	R. Lydekker, British Museum.
35 $\frac{1}{2}$	10 $\frac{1}{2}$	23	India ...	Capt. M. Murphy.
35 $\frac{3}{8}$	9 $\frac{7}{8}$	20	Do. ...	British Museum.
35 $\frac{1}{4}$	9 $\frac{1}{2}$	8 $\frac{1}{2}$	Kashmir ...	Martyn Kennard.
35 $\frac{1}{8}$	9	11	Saar Mountains, Altai.	St. George Littledale, British Museum.
35	...	...	India ...	Major Lloyd Dickson.
35	11 $\frac{1}{8}$	17 $\frac{7}{8}$	Himalayas ...	British Museum.
34 $\frac{1}{2}$	10 $\frac{1}{2}$	...	India ...	Rowland Ward's Collection.
34 $\frac{1}{2}$	9 $\frac{3}{8}$	11 $\frac{3}{4}$	Kashmir ...	St. George Littledale, 1877.
34 $\frac{1}{2}$	8 $\frac{5}{8}$	10 $\frac{3}{4}$	India ...	British Museum.
33 $\frac{5}{8}$	8 $\frac{5}{8}$	13 $\frac{3}{4}$	Kashmir ...	St. George Littledale.
33 $\frac{3}{8}$	9 $\frac{3}{4}$	28 $\frac{1}{2}$	Do. ...	St. George Littledale, 1877.
33 $\frac{3}{8}$	9 $\frac{5}{8}$	14 $\frac{1}{4}$	India ...	Hume Collection, British Museum.
33	9	20 $\frac{1}{4}$	Kashmir ...	St. George Littledale.
33	...	...	India ...	Major Lloyd Dickson.
32 $\frac{7}{8}$	10 $\frac{1}{8}$	13 $\frac{1}{4}$	Do. ...	Hume Collection, British Museum.
32 $\frac{1}{2}$	9 $\frac{1}{2}$	26 $\frac{1}{2}$	Do. ...	Capt. G. Campbell.
32 $\frac{1}{2}$	9 $\frac{3}{8}$	10 $\frac{1}{8}$	Thian Shan, Central Asia.	British Museum.
30 $\frac{7}{8}$	8 $\frac{1}{4}$	30 $\frac{1}{2}$	India ...	Hume Collection, British Museum.
30 $\frac{7}{8}$	7 $\frac{5}{8}$	13 $\frac{5}{8}$	Siberia ...	British Museum.
30 $\frac{5}{8}$	9 $\frac{3}{8}$	17 $\frac{5}{8}$	India ...	F. J. Jackson.
29	8 $\frac{7}{8}$	(mal- formed)	Kashmir ...	Martyn Kennard.
28 $\frac{7}{8}$	9 $\frac{7}{8}$	14 $\frac{7}{8}$	India ...	F. J. Jackson.
28 $\frac{1}{2}$	8 $\frac{5}{8}$	10	Siberia ...	British Museum.
25 $\frac{5}{8}$	7 $\frac{3}{8}$	15 $\frac{1}{2}$	India ...	Do.
23 $\frac{1}{4}$	8 $\frac{1}{2}$	10 $\frac{1}{2}$	Do. ...	Gwynne Griffiths.
18 $\frac{3}{8}$	8	9 $\frac{7}{8}$	Do. ...	Hume Collection, British Museum.
12 $\frac{1}{2}$	4 $\frac{7}{8}$	8 $\frac{1}{2}$	Do. ...	British Museum.



**CAUCASIAN IBEX** (*Capra caucasica*).*Habitat*—Caucasus.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
40 $\frac{1}{8}$	12 $\frac{5}{8}$	15 $\frac{1}{4}$	Caucasus ...	St. George Littledale.
36 $\frac{7}{8}$	11 $\frac{5}{8}$	27 $\frac{5}{8}$	Do. ...	Do.
34 $\frac{3}{4}$	11 $\frac{5}{8}$	22 $\frac{7}{8}$	Do. ...	Do. 1891.
33 $\frac{1}{4}$	10 $\frac{5}{8}$	26 $\frac{3}{4}$	Do. ...	Do. Do.
33	12 $\frac{1}{4}$	22 $\frac{3}{4}$	Do. ...	Do. 1887.
32 $\frac{7}{8}$	11	26 $\frac{7}{8}$	Do. ...	Do. Do.
31 $\frac{7}{8}$	10 $\frac{5}{8}$	20	Do. ...	Do. Do.
31 $\frac{1}{4}$	11 $\frac{1}{2}$	21 $\frac{1}{2}$	Do. ...	Do. Do.
30 $\frac{5}{8}$	11 $\frac{3}{8}$	16 $\frac{3}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
30 $\frac{1}{4}$	11 $\frac{3}{4}$	20 $\frac{5}{8}$	Do. ...	St. George Littledale, 1891.
29 $\frac{1}{2}$	12	22 $\frac{1}{8}$	Do. ...	Do. 1887.
29 $\frac{1}{4}$	11 $\frac{1}{8}$	20 $\frac{1}{8}$	Do. ...	Do. Do.
*22 $\frac{3}{4}$	10 $\frac{7}{8}$	22 $\frac{1}{4}$	Do. ...	Do. 1886.
19 $\frac{7}{8}$	10 $\frac{5}{8}$	16 $\frac{1}{4}$	Do. ...	P. A. Holt, British Museum.
15	8 $\frac{3}{4}$	12 $\frac{5}{8}$	Do. ...	Do.
9	4 $\frac{1}{8}$	4 $\frac{1}{4}$	Do. ...	British Museum.

\* Cross between *Capra caucasica* and *Capra pallasii*.**ALPINE IBEX** (*Capra ibex*).*Habitat*—Switzerland Alps, Savoy and the Tyrol.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
31 $\frac{3}{4}$	9 $\frac{1}{8}$	18 $\frac{3}{8}$	The Alps, Savoy...	Sir Edmund G. Loder, Bart.
26 $\frac{3}{4}$	8 $\frac{3}{8}$	22 $\frac{1}{8}$	The Alps ...	British Museum.
21 $\frac{1}{2}$	8 $\frac{5}{8}$	14 $\frac{7}{8}$	Do. ...	Do.

**PYRENEAN IBEX** (*Capra pyrenaica*).

*Habitat*—Pyrenees, High ranges of Central Spain, Andalusia and Portugal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
28	9 $\frac{1}{8}$	23 $\frac{3}{8}$	Spain ...	British Museum.
*27 $\frac{3}{4}$	9	25	Do. ...	Sir Edmund G. Loder, Bart.
27 $\frac{1}{2}$	10 $\frac{3}{8}$	19 $\frac{1}{2}$	Pyrenees ...	British Museum.
*25 $\frac{5}{8}$	8 $\frac{1}{2}$	16 $\frac{5}{8}$	Spain ...	Hon. Walter Rothschild.
24 $\frac{1}{2}$	10	14	Val d'Arras ...	E. N. Buxton, 1885.
24 $\frac{3}{8}$	9 $\frac{1}{8}$	18 $\frac{7}{8}$	Do. ...	Do. Do.
*22	7 $\frac{3}{4}$	14	Spain ...	Pablo Larios.
*12 $\frac{1}{2}$	6 $\frac{3}{8}$	18 $\frac{1}{2}$	Do. ...	Do.
†10 $\frac{1}{8}$	7	6	Do. ...	Professor Owen, British Museum.
♀9 $\frac{1}{4}$	5 $\frac{3}{8}$	7 $\frac{5}{8}$	Val d'Arras ...	E. N. Buxton, 1883.
♀9 $\frac{1}{2}$	5 $\frac{3}{8}$	6 $\frac{1}{4}$	Do. ...	Do. Do.

\* *Capra Hispanica*.

† *Ægoceros pyrenaica*.

**ARABIAN IBEX** (*Capra sinaitica*).

[Rev. H. B. TRISTRAM on the Mammals of Palestine, P.Z.S., 1866, p. 85.]

THE Syrian Ibex, or Bedeb of the Arabs. Only found in Palestine in the neighbourhood of the Dead Sea, especially about Engedi. Very abundant on the east side in the mountains of Moab, and still more so throughout the Sinaitic peninsula. It formerly extended to the Lebanon, where its teeth have been found in cave-breccia by ourselves and by M. Lartet. (See Bull, *Sve. Geol. de France*, 22, p. 543.) Quite as wild, nimble and wary as the Ibex of the Alps. It drops its kid in March or April, and has but one at a birth. Several young ones were brought to us and reared for some time by hand. The horns of the female are much smaller than those of the male. The flesh is excellent, far superior to that of the Gazelle. The horns are subquadrangular, sharply emarginated at the inner anterior angle, and with from twenty to twenty-four (in fully adult specimens) bold ridges on the front face only.

*Habitat*—Upper Egypt, Sinaitic Peninsula and Palestine.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
38 $\frac{1}{8}$	7 $\frac{1}{2}$	12 $\frac{1}{4}$	Upper Egypt, Sinaitic Peninsula & Palestine.	Sir Edmund G. Loder, Bart.



**WILD GOAT** (*Capra ægagrus*).*Habitat*—South-Eastern Europe.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
53	...	(owner's measurement)	Sumbak Hills, Sind.	Col. F. Marston.
52 $\frac{3}{8}$	7 $\frac{7}{8}$	8 $\frac{3}{4}$	... ..	A. O. Hume, Private Collection.
48 $\frac{1}{4}$	8 $\frac{3}{8}$	13 $\frac{7}{8}$	Caucasus ...	British Museum.
45 $\frac{1}{4}$	9 $\frac{1}{2}$	14 $\frac{3}{8}$	South Asia Minor	Capt. Townley Parker.
44 $\frac{1}{2}$	8 $\frac{7}{8}$	21 $\frac{3}{8}$	Caucasus ...	British Museum.
44 $\frac{1}{2}$	8 $\frac{5}{8}$	11	... ..	Hume Collection, British Museum.
43 $\frac{1}{2}$	8 $\frac{1}{8}$	22 $\frac{3}{8}$	... ..	J. Carr-Saunders.
43 $\frac{3}{8}$	8 $\frac{3}{8}$	14 $\frac{5}{8}$	... ..	A. O. Hume, Private Collection.
43	9	15 $\frac{3}{4}$	Taurus Moun- tains.	Sir Edmund G. Loder, Bart.
41 $\frac{3}{8}$	8 $\frac{1}{8}$	7 $\frac{1}{8}$	... ..	Hume Collection, British Museum.
40 $\frac{1}{8}$	8 $\frac{1}{2}$	7 $\frac{7}{8}$	India ... ..	British Museum.
39 $\frac{7}{8}$	9 $\frac{5}{8}$	1 $\frac{1}{4}$	Erzeroum ...	Do.
39 $\frac{7}{8}$	7 $\frac{7}{8}$	27	... ..	A. O. Hume, Private Collection.
38 $\frac{1}{2}$	7 $\frac{3}{4}$	19	... ..	Hume Collection, British Museum.
38 $\frac{1}{4}$	7 $\frac{7}{8}$	10	... ..	Do.
35 $\frac{5}{8}$	9 $\frac{1}{8}$	13 $\frac{3}{8}$	Mount Ararat	British Museum.
34 $\frac{1}{2}$	9 $\frac{1}{2}$	18	Beluchistan ...	Sir Victor Brooke's Collection. (Shot by Maj. Hogg).
33 $\frac{7}{8}$	6 $\frac{7}{8}$	14 $\frac{5}{8}$	... ..	Hume Collection, British Museum.
33 $\frac{3}{4}$	7 $\frac{5}{8}$	10 $\frac{1}{2}$	... ..	Do.
33 $\frac{3}{8}$	9 $\frac{3}{4}$	14 $\frac{1}{2}$	... ..	British Museum.
30 $\frac{3}{4}$	6 $\frac{7}{8}$	14	... ..	Hume Collection, British Museum.
29 $\frac{3}{8}$	9 $\frac{1}{4}$	8 $\frac{3}{8}$	Cilician Taurus, Asia Minor.	C. G. Danford, British Museum.
26 $\frac{1}{2}$	7 $\frac{1}{2}$	12 $\frac{1}{2}$	Beluchistan ...	Sir Victor Brooke's Collection. (Shot by Maj. Hogg).
25 $\frac{3}{4}$	6 $\frac{1}{2}$	9 $\frac{3}{8}$	... ..	Hume Collection, British Museum.
25 $\frac{5}{8}$	...	5 $\frac{1}{2}$	Solomon Mtns., Asia Minor.	British Museum.
18 $\frac{1}{2}$	7 $\frac{3}{4}$	9	... ..	E. N. Buxton.
18 $\frac{3}{8}$	7 $\frac{1}{8}$	9 $\frac{1}{2}$	... ..	Do. 1890.

**WILD GOAT (*Capra ægagrus*)—continued.**

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
16	7½	7	Persia ...	R. J. Kennedy.
16	7	6¾	Cilician Taurus, Asia Minor.	C. G. Danford, British Museum.
12⅝	5⅝	7¼	Europe ...	British Museum.
11⅝	4⅝	3⅝	Cilician Taurus, Asia Minor.	C. G. Danford, British Museum.
♀ 10⅞	4⅝	3⅝	Caucasus ...	Sir Victor Brooke's Collection.
8⅝	4⅝	4¾	Mainun Dagħ	E. N. Buxton, 1890.
8⅝	3⅝	4¾	Do.	Do. Do.
7⅞	3⅝	3⅞	Do.	Do. Do.

**NORTH AFRICAN IBEX (*Capra nubiana*).**

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
46⅝	8	...	North Africa ...	British Museum.
42¼	9¼	15¼	... ..	Capt. Bartelot.
41¾	7⅝	17⅝	North Africa ...	Capt. W. H. Besant.
35¾	6	10⅞	Do. ...	British Museum.
35⅝	7⅝	12	... ..	W. P. Gore Graham.
33⅝	7	20	... ..	Do.
14⅝	6⅝	6¾	North Africa ...	British Museum.

**DOMESTIC GOAT (*Capra hircus*).**

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
52½	10½	40⅝	Great Britain ...	Sir Edmund G. Loder, Bart.
26⅝	8⅝	7	Asia Minor ...	C. G. Danford, British Museum.
14	5½	8	... ..	British Museum.
♀ 10	3⅞	4⅝	Asia Minor ...	C. G. Danford, British Museum.
7⅞	4½	8¾	... ..	British Museum.



NILGHIRI IBEX or WILD GOAT (*Capra hylacrius*).*Habitat*—India, Nilghiri Hills.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
16 $\frac{3}{4}$	8 $\frac{7}{8}$	5 $\frac{5}{8}$	India ... ..	A. O. Hume, Private Collection.
16 $\frac{1}{2}$	...	(owner's measurement)	Do. ... ..	St. George Littledale.
15 $\frac{1}{2}$	8 $\frac{5}{8}$	7 $\frac{7}{8}$	Do. ... ..	Sir Edmund G. Loder, Bart.
15 $\frac{3}{8}$	8 $\frac{3}{4}$	6 $\frac{3}{4}$	Do. ... ..	Martyn Kennard.
15 $\frac{3}{8}$	8 $\frac{1}{4}$	6	Nilghiri Hills	St. George Littledale, 1875.
15 $\frac{1}{8}$	8 $\frac{5}{8}$	4 $\frac{3}{8}$	India ... ..	Martyn Kennard.
15 $\frac{1}{8}$	8 $\frac{5}{8}$	4 $\frac{3}{8}$	Nilghiri Hills	St. George Littledale, 1871.
14 $\frac{1}{2}$	8 $\frac{3}{4}$	6 $\frac{1}{4}$	Do. ... ..	British Museum.
14 $\frac{1}{2}$	8 $\frac{5}{8}$	5 $\frac{1}{8}$	India ... ..	Sir Victor Brooke's Collection.
14 $\frac{3}{8}$	8	4 $\frac{5}{8}$	Do. ... ..	T. W. H. Greenfield.
14 $\frac{1}{8}$	8 $\frac{5}{8}$	5 $\frac{1}{2}$	Do. ... ..	Sir Victor Brooke's Collection.
14 $\frac{1}{8}$	8 $\frac{1}{2}$	6 $\frac{1}{2}$	Do. ... ..	Do.
14	8 $\frac{5}{8}$	5 $\frac{1}{2}$	Nilghiri Hills	British Museum.
14	8	5 $\frac{1}{2}$	India ... ..	Martyn Kennard.
13 $\frac{3}{4}$	8	6 $\frac{1}{8}$	Do. ... ..	Do.
13 $\frac{5}{8}$	9	4 $\frac{5}{8}$	Do. ... ..	Do.
13 $\frac{5}{8}$	8 $\frac{5}{8}$	(one horn only)	Nilghiri Hills	St. George Littledale.
13 $\frac{1}{2}$	8 $\frac{1}{2}$	5 $\frac{3}{4}$	India ... ..	Sir Victor Brooke's Collection.
13 $\frac{1}{2}$	8	5 $\frac{1}{2}$	Do. ... ..	W. C. Oswell.
13 $\frac{3}{8}$	8 $\frac{1}{8}$	5 $\frac{1}{8}$	Do. ... ..	A. O. Hume, Private Collection.
13	9 $\frac{1}{8}$	4 $\frac{3}{4}$	Do. ... ..	Sir Victor Brooke's Collection.
13	8 $\frac{1}{8}$	5 $\frac{1}{4}$	Do. ... ..	T. W. H. Greenfield.
12 $\frac{3}{4}$	7 $\frac{7}{8}$	3 $\frac{7}{8}$	Do. ... ..	Martyn Kennard.
12 $\frac{3}{4}$	7 $\frac{5}{8}$	5 $\frac{3}{8}$	Do. ... ..	T. W. H. Greenfield.

NILGHIRI IBEX or WILD GOAT (*Capra hylacrius*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12½	8	4½	India ... ..	Hume Collection, British Museum.
12½	7¾	4¾	Do. ... ..	Do.
12¼	7¾	3¾	Do. ... ..	Sir Robert Harvey, Bart.
12	7½	4¾	Do. ... ..	Hume Collection, British Museum.
11¾	5¾	5½	Nilghiri Hills	British Museum.
11½	7¾	5¾	India ... ..	Sir Victor Brooke's Collection.
11	5½	4½	Do. ... ..	Hume Collection, British Museum.
10½	6	3¾	Do. ... ..	Sir Robert Harvey, Bart.
10¼	5¾	3¼	Do. ... ..	J. Carr-Saunders.
♀ 10	5½	4	Nilghiri Hills	St. George Littledale, 1875.
9	5¾	3¼	Do.	British Museum.
8½	5	3½	Do.	Hume Collection, British Museum.



**THAR** (*Capra jemlaica*).

Weight about 200 lbs.

*Habitat*—Himalayas from Kashmir to Bhuton.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
14 $\frac{1}{8}$	8 $\frac{7}{8}$	6 $\frac{5}{8}$	... ..	A. O. Hume, Private Collection.
13 $\frac{7}{8}$	9	8 $\frac{3}{8}$	... ..	Gwynne Griffiths.
13 $\frac{3}{4}$	9	11 $\frac{1}{4}$	... ..	Hume Collection, British Museum.
13 $\frac{3}{4}$	8 $\frac{3}{8}$	6 $\frac{7}{8}$	... ..	A. O. Hume, Private Collection.
13 $\frac{5}{8}$	8	6 $\frac{1}{4}$	... ..	Hume Collection, British Museum.
13 $\frac{1}{2}$	8 $\frac{7}{8}$	6 $\frac{1}{8}$	... ..	British Museum.
13 $\frac{1}{2}$	8 $\frac{1}{2}$	6 $\frac{3}{4}$	... ..	Rowland Ward's Collection.
13 $\frac{3}{8}$	9 $\frac{1}{8}$	5 $\frac{3}{4}$	... ..	Hon. Walter Rothschild.
13 $\frac{1}{4}$	9 $\frac{1}{2}$	7 $\frac{3}{8}$	... ..	A. O. Hume, Private Collection.
13 $\frac{1}{4}$	8 $\frac{7}{8}$	5 $\frac{3}{4}$	... ..	Sir Victor Brooke's Collection.
13 $\frac{1}{4}$	8 $\frac{1}{4}$	6 $\frac{7}{8}$	... ..	Sir Edmund G. Loder, Bart.
13 $\frac{1}{8}$	8 $\frac{7}{8}$	6 $\frac{5}{8}$	... ..	J. Carr-Saunders.
13	7 $\frac{7}{8}$	5 $\frac{1}{2}$	... ..	British Museum.
12 $\frac{7}{8}$	8 $\frac{3}{4}$	6 $\frac{1}{2}$	... ..	J. M. Nicolls.
12 $\frac{3}{4}$	8 $\frac{1}{8}$	6 $\frac{7}{8}$	Himalayas ...	Capt. Townley Parker.
12 $\frac{5}{8}$	8 $\frac{7}{8}$	7 $\frac{1}{4}$	... ..	Hume Collection, British Museum.
12 $\frac{1}{2}$	8	6 $\frac{3}{8}$	Nepal ... ..	B. H. Hodgson, British Museum.
12 $\frac{3}{8}$	8 $\frac{3}{8}$	7 $\frac{1}{4}$	... ..	Sir Victor Brooke's Collection.
12 $\frac{1}{4}$	8 $\frac{7}{8}$	4 $\frac{3}{4}$	... ..	Sir Robert Harvey, Bart.
12 $\frac{1}{4}$	8 $\frac{1}{4}$	6 $\frac{1}{2}$	... ..	H. R. H. Duke of Edinburgh.
12 $\frac{1}{4}$	7 $\frac{5}{8}$	6 $\frac{1}{8}$	... ..	Hume Collection, British Museum.

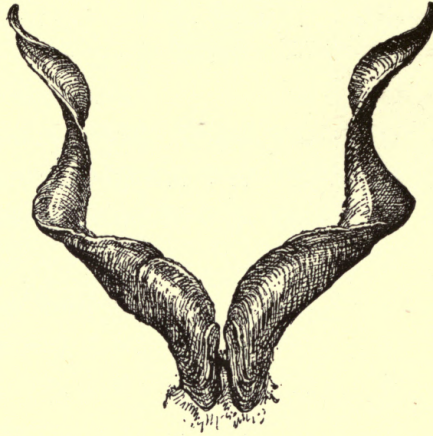
THAR (*Capra jemlaica*)—*continued.*

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12 $\frac{1}{8}$	9	6 $\frac{1}{4}$	... ..	Gwynne Griffiths.
12	8 $\frac{1}{8}$	5 $\frac{7}{8}$	... ..	Sir Robert Harvey, Bart.
11 $\frac{7}{8}$	8 $\frac{7}{8}$	6 $\frac{3}{8}$	... ..	Sir Victor Brooke's Collection.
11 $\frac{5}{8}$	8 $\frac{1}{4}$	7 $\frac{1}{2}$	Nepal ... ..	H.H. the Mahrajah Duleep Singh, British Museum.
11 $\frac{1}{2}$	...	...	... ..	Capt. J. A. Orr-Ewing.
11 $\frac{1}{8}$	8 $\frac{5}{8}$	5 $\frac{3}{8}$	... ..	Sir Robert Harvey, Bart.
11	8 $\frac{1}{2}$	6 $\frac{1}{8}$	... ..	H. F. Campbell.
10 $\frac{3}{4}$	9	7 $\frac{1}{2}$	... ..	Major W. G. Forbes.
10	8 $\frac{1}{4}$	6 $\frac{7}{8}$	... ..	J. Carr-Saunders.
9 $\frac{7}{8}$	7 $\frac{5}{8}$	5 $\frac{1}{2}$	... ..	British Museum.
8 $\frac{7}{8}$	8	6 $\frac{3}{8}$	... ..	Sir Victor Brooke's Collection.
8	...	...	... ..	B. H. Hodgson, P.Z.S., 1834, p. 86.

CAUCASIAN BURHEL (*Capra pallasii*, *Capra cylindricornis*).*Habitat*—Eastern Caucasus.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
36 (about)	15	...	... ..	Blyth, P.Z.S., 1840.
34 $\frac{1}{2}$	10 $\frac{7}{8}$	13 $\frac{1}{2}$	... ..	Major Talbot.
33 $\frac{3}{8}$	12	19 $\frac{3}{4}$	Caucasus ...	British Museum.
28 $\frac{1}{2}$	11	16 $\frac{1}{2}$	Do. ...	Sir Victor Brooke's Collection.
26 $\frac{1}{2}$	10 $\frac{5}{8}$	18	Do. ...	Sir Edmund G. Loder, Bart.
25 $\frac{5}{8}$	10 $\frac{3}{8}$	15 $\frac{7}{8}$	Do. ...	British Museum.
20 $\frac{1}{2}$	10	11 $\frac{1}{2}$	Do. ...	H.R.H. Duc d'Orleans.



**MARKHOR** (*Capra megaceros*).*Habitat*—India, Astor, Gilgit, and Scardo.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round Curve.	Straight line.				
54 $\frac{1}{2}$	...	10 $\frac{1}{2}$	26 $\frac{1}{2}$	India	... A. O. Hume, Private Collection.
54	...	10 $\frac{5}{8}$	33 $\frac{3}{4}$	Do.	... Martyn Kennard.
53 $\frac{1}{4}$	42 $\frac{1}{2}$	11 $\frac{1}{2}$	52 (about)	Do.	... Sir Victor Brooke's Collection, 1875.
53 $\frac{1}{2}$	...	...	37 $\frac{1}{2}$	Do.	... Rowland Ward's Collection.
53	24 $\frac{1}{4}$	9 $\frac{1}{4}$	30 $\frac{1}{4}$	Do.	... A. O. Hume, Private Collection.
52 $\frac{3}{4}$	39 $\frac{3}{4}$	12 $\frac{1}{8}$	33 $\frac{3}{4}$	Do.	... Martyn Kennard.
51 $\frac{3}{8}$	37 $\frac{1}{8}$	10	33	Do.	... Sir Edmund G. Loder, Bart.
51 $\frac{1}{8}$	...	11 $\frac{3}{8}$	49 $\frac{3}{8}$	Do.	... Martyn Kennard.
51	...	10	34	Do.	... Col. G. Jackson, 1864.
50	38	11 $\frac{3}{4}$	36	Do.	... Sir Edmund G. Loder, Bart.

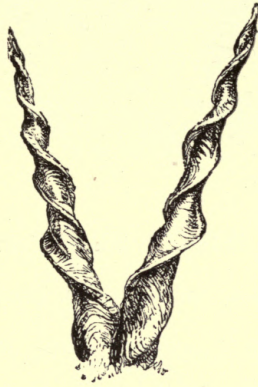
MARKHOR (*Capra megaceros*)—continued.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round Curve.	Straight line.				
50	...	11 $\frac{5}{8}$	35 $\frac{1}{4}$	India ...	Martyn Kennard.
50	...	(owner's measurement)	...	Do. ...	Capt. H. V. Olivier, R.E.
48 $\frac{1}{2}$	...	11 $\frac{1}{2}$	45	Do. ...	Capt. M. Murphy.
48 $\frac{1}{2}$	...	7 $\frac{3}{4}$	(odd horn, Suleiman race)	Do. ...	British Museum.
48 $\frac{1}{2}$	...	11 $\frac{7}{8}$	29 $\frac{3}{8}$	Do. ...	A. O. Hume, Private Collection.
47 $\frac{5}{8}$	37 $\frac{5}{8}$	11 $\frac{1}{4}$	29	Do. ...	Martyn Kennard.
47 $\frac{1}{2}$	36 $\frac{3}{4}$	10 $\frac{1}{2}$	22 $\frac{3}{4}$	Do. ...	Major Talbot.
47	36	11 $\frac{5}{8}$	39	Do. ...	Sir Victor Brooke's Collection, 1875.
46 $\frac{1}{2}$	...	11 $\frac{1}{2}$	(odd horn, Astor race)	Astor Valley	British Museum.
46 $\frac{1}{4}$	32 $\frac{1}{4}$	12	44 $\frac{3}{4}$	India ...	A. O. Hume, Private Collection.
46	...	10 $\frac{1}{2}$	...	Do. ...	Manners Smith.
44	33 $\frac{7}{8}$	10 $\frac{1}{2}$	31	Do. ...	J. Carr-Saunders.
44	...	...	35	Do. ...	Lloyd Anstruther.
44	...	10 $\frac{1}{4}$	31 $\frac{1}{4}$	Do. ...	Martyn Kennard.
43 $\frac{7}{8}$	...	11 $\frac{5}{8}$	32 $\frac{7}{8}$	Do. ...	Do.
43 $\frac{3}{4}$	...	10 $\frac{1}{2}$	32 $\frac{7}{8}$	Do. ...	Hon. Charles Ellis.
43 $\frac{1}{2}$	...	11 $\frac{1}{2}$	32	Do. ...	Martyn Kennard.
43 $\frac{1}{8}$	...	11 $\frac{1}{8}$	30 $\frac{1}{8}$	Do. ...	Do.
43	...	12	33	Kashmir ...	Rowland Ward's Collection.
43	...	10 $\frac{1}{2}$	36	India ...	C. Spedding.
43	...	...	29	Do. ...	Lloyd Anstruther.
42 $\frac{3}{4}$	...	12	32 $\frac{1}{2}$	Do. ...	Sir Robert Harvey, Bart.
42 $\frac{1}{2}$	32 $\frac{1}{2}$	11 $\frac{1}{4}$	32 $\frac{5}{8}$	Do. ...	Hon. Walter Rothschild.
42 $\frac{1}{2}$	...	11	35	Do. ...	Martyn Kennard.
42 $\frac{3}{8}$	...	10 $\frac{3}{4}$	32 $\frac{7}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
41 $\frac{1}{4}$	...	10	30 $\frac{7}{8}$	Do. ...	St. George Littledale.



MARKHOR (*Capra megaceros*)—*continued*.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Round Curve.	Straight line.				
41	...	12 $\frac{1}{4}$	42 $\frac{3}{8}$	River Indus, Kashmir.	Capt. M. Murphy, British Museum.
41	...	10	27 $\frac{3}{8}$	Pir Pingal, Kashmir 9000 ft.	R. Lydekker, British Museum.
40 $\frac{3}{8}$	...	12 $\frac{3}{8}$	27 $\frac{1}{2}$	India ...	Sir Edmund G. Loder, Bart.
40 $\frac{1}{8}$	...	11 $\frac{3}{8}$	26 $\frac{3}{4}$	Do. ...	Martyn Kennard.
40 $\frac{1}{8}$	...	10 $\frac{3}{8}$	30 $\frac{1}{2}$	Do. ...	Sir Edmund G. Loder, Bart.
39 $\frac{3}{4}$	...	11 $\frac{5}{8}$	19 $\frac{3}{4}$	Do. ...	H. C. V. Hunter.
39 $\frac{3}{8}$	...	10 $\frac{1}{4}$	24 $\frac{1}{4}$	Afghanistan	Col. Grant, British Museum.
39 $\frac{1}{4}$	...	9 $\frac{1}{2}$	21 $\frac{3}{4}$	India ...	British Museum.
39	...	11	31 $\frac{1}{2}$	Do. ...	Martyn Kennard.
39	...	10 $\frac{7}{8}$	30 $\frac{1}{2}$	Do. ...	Hon. Charles Ellis.
38 $\frac{1}{4}$	...	10 $\frac{1}{4}$	(one horn broken off) 25 $\frac{1}{8}$	Do. ...	Martyn Kennard.
37 $\frac{1}{2}$	...	10 $\frac{3}{8}$	25 $\frac{1}{8}$	Kashmir ...	Lieut. Abbott, British Museum.
37	...	12	18 $\frac{3}{4}$	India ...	H. C. V. Hunter.
35 $\frac{3}{4}$	28	10 $\frac{1}{4}$	27 $\frac{1}{8}$	Do. ...	J. Carr-Saunders.
35 $\frac{3}{8}$	(Suleiman race)	9 $\frac{7}{8}$	20 $\frac{3}{8}$	Paghura ...	Lieut. Abbott, British Museum.
35 $\frac{1}{4}$	...	10 $\frac{7}{8}$	25	India ...	Sir Robert Harvey, Bart.
30 $\frac{1}{4}$	...	8 $\frac{1}{4}$	13 $\frac{3}{4}$	Peshawar, North India.	Lieut. Abbott, British Museum.
21 $\frac{1}{2}$	...	8 $\frac{1}{2}$	21 $\frac{5}{8}$	Kashmir ...	R. Lydekker, British Museum.
♀ 16 $\frac{1}{4}$	13 $\frac{3}{8}$	5 $\frac{3}{8}$	13	India ...	Martyn Kennard.

TRANS-INDUS MARKHOR (*Capra falconeri*).

*Habitat*—India, Pir Pinjal Range, Afghanistan, Suleiman Range.

Length.		Circumference.	Tip to Tip.	Habitat.	Owner.
Straight line.	Round curve.				
38½	...	10½	23⅞	India ...	H. R. H. Duke of Edinburgh.
33	47⅞	9¼	19¾	Afghanistan	Sir Edmund G. Loder, Bart.
32¼	...	9¾	28	India ...	A. O. Hume, Private Collection.
30¾	45½	8¾	21½	Do. ...	Sir Victor Brooke's Collection, 1875.
27⅞	39	8⅝	21	Do. ...	Sir Edmund G. Loder, Bart.
27	...	10	22¾	Do. ...	A. O. Hume, Private Collection.
25½	...	(one horn malformed)	...	Do. ...	G. Landseer, "The Field," 1873.
25⅝	...	8⅝	21½	... ..	A. O. Hume, Private Collection.
24	...	(owner's measurement)	...	Sheikh Boodeen.	Capt. A. A. Kinloch.
22½	...	10¼	15¾	India ...	J. E. Penton.





### MARCO POLO'S SHEEP (*Ovis poli*).

[Sir VICTOR BROOKE, Bart., and Mr. BASIL BROOKE, P.Z.S. 1875, p. 514.]

THE horns are very large, pressed in from the sides, the edges, with the exception of the fronto-nuchal edge, being rounded. The orbital surface is pressed in, and commences to get narrower only during the last third of its length. The horn is more than four times the length of the skull. The basal and terminal axes of the horns are not parallel, the latter being directed more horizontally. All round the neck there is a pure white mane, and there is a dark line along the spinal column from the shoulders to the loins. The light greyish brown of the sides shades off into white towards the belly. A pure white anal disk surrounds the tail; above this disk is bordered by a rather dark line, but below it extends largely over the hinder parts of the thighs, shading gradually into the brown colour of the legs. I did not discover any soft short hair under the long winter hair during the month of October.

Height, 46 inches; length of horns, 57 inches.

*Habitat*—Central Asia, the Pamir, and Thian Shan of Turkestan.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
75	16	54½	... ..	H.E. Gen. Sir Fredk. Roberts,
73	15	48 (owner's measurement)	Little Pamir ...	"The Asian," Nov. 13th, 1891.
68½	15	35¾	... ..	Col. Tanner, 1881.
68	17	43	... ..	Lewis Flower.
			... ..	Col. R. Pole Carew.

MARCO POLO'S SHEEP (*Ovis poli*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
68	16	52	... ..	Indian Museum, "The Asian," Nov. 13th, 1891.
67	16½	42	... ..	Col. R. Pole Carew.
66¾	15¾	46	... ..	Sir Edmund G. Loder, Bart.
66¾	13¾	...	... ..	A. O. Hume, Private Collection.
66	15¼	44	... ..	Hume Collection, British Museum.
65¾	16	48	... ..	Do.
65½	16	53	Great Pamir (16,000 ft.)	Col. T. E. Gordon, British Museum.
65¾	16¼	...	... ..	A. O. Hume, Private Collection.
65	16½	49½	... ..	Capt. Blane.
65	(owner's measurement)	...	... ..	St. George Littledale. (Presented to the Empress of Russia.)
65	...	...	... ..	Rowland Ward's Collection.
64¾	15¾	46	Great Pamir	... Hume Collection, British Museum.
64¼	16½	41	... ..	W. Lawrence.
64¼	15¼	39	... ..	H. C. V. Hunter.
63¾	16⅛	42½	... ..	Hon. Walter Rothschild.
63½	15¾	...	... ..	A. O. Hume, Private Collection.
62½	16¼	...	... ..	H. C. V. Hunter.
62½	15½	41	Great Pamir	... Hume Collection, British Museum.
62	15¼	40	... ..	Hon. Charles Ellis.
61¾	15⅞	41¾	... ..	Do.
61¾	15½	47⅞	... ..	Do.
61⅞	15¾	46	... ..	Do.
60¾	15¾	46¾	Pamir ...	... St. George Littledale.
60¼	14½	50⅞	... ..	Hon. Charles Ellis.
59¾	16	43	Great Pamir	... Hume Collection, British Museum.
59½	17¾	45¾	... ..	Hon. Charles Ellis.
59	16	...	... ..	A. O. Hume, Private Collection.



MARCO POLO'S SHEEP (*Ovis poli*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
59	15 $\frac{3}{4}$	41 (about)	... ..	Martyn Kennard.
58 $\frac{3}{4}$	15	52	Great Pamir ...	Hume Collection, British Museum.
58 $\frac{5}{8}$	14 $\frac{1}{2}$	39 $\frac{5}{8}$	Do. ...	Do.
58 $\frac{1}{2}$	15 $\frac{1}{4}$	51	... ..	Hon. Charles Ellis.
58 $\frac{1}{4}$	15 $\frac{1}{4}$	46 $\frac{3}{4}$	... ..	Do.
57 $\frac{3}{4}$	15	46 $\frac{3}{4}$	... ..	Maj.-Gen. Arthur Ellis, C.S.I.
57 $\frac{3}{4}$	14 $\frac{3}{4}$	50	... ..	Reginald Beech.
57 $\frac{1}{2}$	16 $\frac{1}{8}$	42 $\frac{1}{4}$	... ..	W. Lawrence.
57 $\frac{1}{2}$	14 $\frac{3}{4}$	48	... ..	Reginald Beech.
57 $\frac{3}{8}$	15 $\frac{5}{8}$	43 $\frac{3}{4}$	... ..	Hon. Charles Ellis.
56 $\frac{7}{8}$	16	42 $\frac{7}{8}$	... ..	Do.
56 $\frac{7}{8}$	15 $\frac{1}{8}$	35 $\frac{1}{2}$	Pamir ... ..	St. George Littledale.
56	14 $\frac{1}{4}$	45	... ..	Blyth, P.Z.S. 1840, p. 63.
56	...	...	... ..	C. Hunter.
55 $\frac{3}{4}$	15 $\frac{3}{4}$	43	... ..	J. Carr-Saunders.
55 $\frac{1}{8}$	14 $\frac{1}{4}$	43 $\frac{3}{4}$	... ..	British Museum.
55	16	44	... ..	H. R. H. Duc d'Orleans.
54 $\frac{7}{8}$	16 $\frac{3}{8}$	42 $\frac{5}{8}$	Pamir ... ..	St. George Littledale.
54 $\frac{7}{8}$	15 $\frac{3}{8}$	46 $\frac{5}{8}$	Do. ... ..	Do.
54 $\frac{7}{8}$	15 $\frac{1}{4}$	48 $\frac{3}{8}$	Do. ... ..	Sir Victor Brooke's Collection.
54 $\frac{3}{4}$	16 $\frac{7}{8}$	38 $\frac{1}{2}$	... ..	Hon. Charles Ellis.
54 $\frac{1}{2}$	14 $\frac{3}{4}$	40 $\frac{1}{2}$	Pamir ... ..	St. George Littledale.
54 $\frac{1}{8}$	14 $\frac{1}{2}$	41	Do. ... ..	Do. 1886.
53 $\frac{7}{8}$	15 $\frac{5}{8}$	43 $\frac{3}{4}$	Lake Karakol ...	Do.
53 $\frac{1}{2}$	14 $\frac{1}{2}$	40 $\frac{7}{8}$	... ..	Reginald Beech.
52 $\frac{3}{4}$	15 $\frac{5}{8}$	48 $\frac{1}{4}$	Alichur ... ..	St. George Littledale.
52 $\frac{1}{2}$	15 $\frac{5}{8}$	45 $\frac{1}{2}$	... ..	Reginald Beech.

MARCO POLO'S SHEEP (*Ovis poli*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
52 $\frac{1}{8}$	15	41	... ..	Reginald Beech.
50 $\frac{1}{2}$	13 $\frac{7}{8}$	40 $\frac{3}{8}$	Pamir ... ..	St. George Littledale.
50 $\frac{1}{2}$	15	42 $\frac{3}{4}$	Alai Plateau, Pamir	Do. British Museum.
49 $\frac{3}{8}$	15 $\frac{1}{4}$	39 $\frac{1}{2}$	Pamir ... ..	Do.
49 $\frac{1}{4}$	15 $\frac{3}{4}$	34 $\frac{3}{4}$	... ..	Reginald Beech.
49	15 $\frac{3}{4}$	38 $\frac{1}{2}$	... ..	Do.
48	15 $\frac{5}{8}$	42 $\frac{3}{8}$	Pamir ... ..	St. George Littledale.
48	13 $\frac{5}{8}$	43	Alai Plateau, Pamir	Do. British Museum.
46 $\frac{7}{8}$	15 $\frac{1}{2}$	27	Saiar Mountains, Altai.	Do. Do.
46	15	49	... ..	P. L. Sclater, P.Z.S. 1860, p. 433.
45 $\frac{7}{8}$	13 $\frac{7}{8}$	39 $\frac{1}{2}$ (about)	... ..	A. O. Hume, Private Collection.
43 $\frac{1}{4}$	14 $\frac{3}{8}$	31 $\frac{1}{4}$	Pamir ... ..	St. George Littledale.
43	15	37 (about)	Do. ... ..	Do.
42	14	39 $\frac{1}{4}$	Do. ... ..	Do.
41 $\frac{1}{4}$	14 $\frac{1}{2}$	29	Siberia ... ..	British Museum.
40 $\frac{1}{2}$	13 $\frac{1}{4}$	44 $\frac{1}{2}$	Alai Plateau, Pamir	St. George Littledale, British Museum.
38 $\frac{5}{8}$	14 $\frac{3}{8}$	...	Pamir ... ..	Do.
36 $\frac{3}{4}$	12 $\frac{1}{4}$	...	Do. ... ..	Do.
33 $\frac{3}{8}$	14	28	Saiar Mountains, Altai.	Do. British Museum.
15 $\frac{3}{4}$	6 $\frac{3}{8}$	15 $\frac{5}{8}$	Alai Plateau, Pamir	Do. Do.
11 $\frac{1}{2}$	5 $\frac{1}{4}$	15 $\frac{3}{8}$	Saiar Mountains, Altai.	Do. Do.



**WILD SHEEP OF THIAN SHAN (*Ovis karelini*).**

[Sir VICTOR BROOKE, Bart., and Mr. B. BROOKE, P.Z.S. 1875, p. 512.]

THE horns are moderately thick, with rather rounded edges; frontal surface very prominent; orbital surface rather flat, narrowing only in the last third of its length. The horns are three times as long as the skull. The basal and terminal axes of the horn rise parallel with each other; the median axis is parallel with the axis of the skull. The neck is covered by a white mane, shaded with greyish brown. The light brown of the back and sides is separated from the yellowish white of the belly by a wide dark line. The light brown of the upper parts gets gradually lighter towards the tail, where it becomes greyish white, but does not form a sharply marked anal disk. On the back there is a sharply marked dark line running from the shoulders to the loins. I did not find any soft hair under the long winter hair in October.

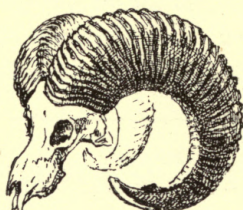
Height at the shoulder, 3 ft. 6 in.; length of the horns, from 44 in. to 45 in.

*Range*.—*Ovis karelini* inhabits all the Semiretchinsk Altai, and also the Sapliskey Altai, but is not so common there as in the mountains between Tamgali (?) and Kaskelen; but it is partly driven from this latter locality by the Cossack sportsmen, and has gone to a higher elevation, namely the Kebin Steppe, above the range of trees. East of Tamgali (?) (Turgeli) (?), on the bare mountains and plains near the rivers Chilik and Kelen, *Ovis karelini* is very abundant, but not on the mountains covered with trees; it extends from this locality as far as Santash. Further it inhabits all the neighbourhood of Issik Kul; is rather rare on the northern parts of the Thian Shan, which are thickly wooded. I also met with numerous flocks in the steppes of the Narin, where they find abundance of food and shelter at an elevation of about 12,000 or 13,000 feet above the level of the sea.

This species is also met with on the mountains separating the Narin from its tributary the Atpash, as far as the plains between the rivers Kurtka and Chatir Kul ; but from the eastern sources of the Atpash as far as the Chatir Kul it is found only in company with *Ovis polii*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
54 $\frac{1}{4}$	16 $\frac{1}{8}$	34 $\frac{3}{4}$	West Chinese Mongolia.	St. George Littledale.
49 $\frac{1}{4}$	14 $\frac{1}{2}$	34 $\frac{5}{8}$	Do.	Do.
49	15 $\frac{3}{8}$	31 $\frac{1}{2}$	Do.	Do. 1889.
48 $\frac{1}{4}$	13 $\frac{1}{4}$	33 $\frac{3}{4}$	Thian Shan ...	Yarkund Mission, British Museum.
46 $\frac{1}{2}$	15 $\frac{3}{8}$	29 $\frac{1}{2}$	Do. ...	Do.
42	14 $\frac{1}{4}$	34	Do. ...	Do.
41 $\frac{5}{8}$	13 $\frac{7}{8}$	19	West Chinese Mongolia.	St. George Littledale.
27 $\frac{1}{8}$	...	21 $\frac{1}{2}$	Thian Shan ...	Yarkund Mission, British Museum.
23 $\frac{3}{8}$	10 $\frac{1}{2}$	24	Do. ...	Sir Victor Brooke's Collection.
16 $\frac{3}{4}$	...	18	Do. ...	Yarkund Mission, British Museum.



**OVIS AMMON.***Habitat*—Northern Asia.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
47 $\frac{3}{4}$	19	31 $\frac{1}{4}$	Siberia ...	British Museum.
46 $\frac{1}{2}$	19 $\frac{3}{4}$	20 (about)	... ..	A. O. Hume, Private Collection.
45 $\frac{1}{2}$	16 $\frac{1}{4}$	17	India ...	H.R.H. Duke of Teck.
43 $\frac{1}{2}$	16 $\frac{5}{8}$	(loose horns)	... ..	H. C. V. Hunter.
42 $\frac{1}{2}$	16 $\frac{1}{2}$	19 (about)	... ..	A. O. Hume, Private Collection.
42 $\frac{1}{2}$	16	18	... ..	Hume Collection, British Museum.
42 $\frac{1}{2}$	16	18	... ..	Rowland Ward's Collection.
42 $\frac{1}{2}$ (?)	15 $\frac{1}{4}$	...	... ..	J. Carr-Saunders.
42 $\frac{3}{8}$	16 $\frac{1}{4}$	20	... ..	H.R.H. Duke of Edinburgh.
42 $\frac{1}{8}$	16 $\frac{3}{4}$	14 $\frac{1}{4}$	... ..	Hume Collection, British Museum.
42 $\frac{1}{8}$	16 $\frac{1}{2}$	18 (about)	... ..	A. O. Hume, Private Collection.
42	16 $\frac{3}{4}$	17 $\frac{1}{4}$	... ..	Hume Collection, British Museum.
41 $\frac{7}{8}$	16	...	... ..	Hon. Walter Rothschild.
41 $\frac{1}{4}$	17 $\frac{1}{2}$	16 (about)	... ..	A. O. Hume, Private Collection.
40 $\frac{1}{2}$ (?)	14 $\frac{1}{2}$	26 $\frac{1}{4}$	... ..	St. George Littledale, British Museum.
40 $\frac{3}{8}$	17 $\frac{5}{8}$	20 $\frac{3}{8}$	... ..	Hon. Charles Ellis.
40 $\frac{1}{4}$	17 $\frac{1}{4}$	20	... ..	Hume Collection, British Museum.
40	16 $\frac{3}{4}$	19 $\frac{1}{2}$	... ..	Do.

## OVIS AMMON—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
40	16	18½	... ..	Hume Collection, British Museum.
39½	16½	18½	... ..	Sir Victor Brooke's Collection.
39¼	17	14¾	... ..	Hon. Charles Ellis.
39	17	19	... ..	Sir Robert Harvey, Bart.
38⅞	14⅞	(one horn broken)	Altai ... ..	Sir Victor Brooke's Collection, 1871.
38¾	16	20	... ..	Maj-Gen. Arthur Ellis, C.S.I.
38½	16	(owner's measurement)	... ..	Capt. A. A. Kinloch.
38¼	17⅞	18¼	Himalayas ...	Col. Congreve, British Museum.
38	18	19¼	... ..	Hon. Charles Ellis.
38	17½	19½	... ..	H. C. V. Hunter.
38	16	23½	... ..	East India Company, British Museum.
37¾	16½	...	... ..	Sir Robert Harvey, Bart.
37½	18¼	16½	... ..	G. McMicking.
37½	16¼	17	... ..	Capt. M. Murphy.
36⅞	16¼	16¾	... ..	Sir Edmund G. Loder, Bart.
36½	15¼	19½	Ladak ... ..	Col. Congreve, British Museum.
36	16¾	...	... ..	H. C. V. Hunter.
36	15¾	20	... ..	G. McMicking.
36	15½	20	... ..	Capt. G. Campbell.
35½	16¾	15	... ..	H. C. V. Hunter.
35¼	17¾	21¼	Ladak ... ..	British Museum.
34¾	15½	20½	... ..	H. C. V. Hunter.
33½	15⅞	...	... ..	Do.
33	16	17½	... ..	Reginald Beech.
20¼	7⅞	17	Siberia ... ..	British Museum.
♀ 18	7	19¾	Nepal ... ..	B. H. Hodgson, British Museum.
♀ 12½	5	15⅞	... ..	Sir Victor Brooke's Collection.



## OVIS HODGSONI.

[Sir VICTOR BROOKE, Bart., and Mr. B. BROOKE, P.Z.S. 1875, p. 520].

ADULT male, winter, Colebrooke collection. Obtained within 30 miles of Leh in the winter of 1873.

Hair of body about 2 inches in length, coarse and close-set; on the sides and lower surface of the neck the hair is lengthened into a long rich ruff-like mane of a snow-white colour. Along the median line of the upper neck there is a narrow band of rather shorter hair, which, however, is about twice as long as that on the body, and, being continued as far back as the withers, forms a short dorsal mane; general colour of the body dark brown, mixed with grey; anterior parts of the face, belly, limbs below the carpi and tarsi internally, and a small anal disk surrounding the tail and rump, dirty white; cheeks and forearms darker than the rest of the body; ears and tail short, the latter with a narrow dark line along its upper surface; horns massive and rather short, their terminal curve being but slightly developed.

Female, much paler than the male, with little or no mane. No distinct anal disk.

*Range*.—Little Thibet (Kinloch, &c.); Cachar region, Nepaul (Hodgson).

*Habitat*—Nepal.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
44 $\frac{5}{8}$	17 $\frac{1}{2}$	22 $\frac{1}{2}$	Nepal ... ..	B. H. Hodgson, British Museum.
41 $\frac{1}{8}$	16 $\frac{3}{4}$	19	Ladak ... ..	Sir Victor Brooke's Collection.
38 $\frac{3}{8}$	15 $\frac{3}{8}$	18	Do. ... ..	Do.
35 $\frac{1}{4}$	16 $\frac{1}{2}$	15 $\frac{1}{2}$	Do. ... ..	R. Lydekker, British Museum.
♀ 14 $\frac{1}{2}$	7 $\frac{1}{2}$	17 $\frac{1}{2}$	Do. ... ..	Sir Victor Brooke's Collection.

OVIS BROOKEI.

[Sir VICTOR BROOKE, Bart., and Mr. B. BROOKE, P.Z.S. 1875, p. 521].

THIS species is based upon a skull and horns in our own collection. The locality from which the specimen was obtained is not so certain as could be desired, but we have strong reasons for believing that the animal was shot in the vicinity of Leh, in Ladak. In its much smaller size it differs from *Ovis hodgsoni*, and in its deeply sulcated horns, the angles of which are very much rounded and the terminal curve but slightly developed, it differs as decidedly from *Ovis karelini*. It is not improbable that the species will be found to inhabit the Kuenlun Mountains.

*Habitat*—Ladak.

Dimensions of the specimen :

						inches.
Length of skull, measured from highest point between						
the horn	...	...	...	...	...	11
Smallest breadth between orbits				...	...	$4\frac{5}{8}$
Length of horns, round the curve				...	...	$33\frac{1}{2}$
Circumference of horns	...	...	...	...	...	$13\frac{3}{8}$

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$33\frac{1}{2}$	$13\frac{1}{2}$	$18\frac{1}{2}$	Ladak ... ..	Sir Victor Brooke's Collection.

OVIS BLANFORDI.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
$36\frac{1}{2}$	$9\frac{5}{8}$	(single horn)	... ..	Hume Collection, British Museum.
$31\frac{3}{8}$	$9\frac{3}{8}$	$13\frac{3}{4}$	... ..	Do.
$23\frac{5}{8}$	$9\frac{1}{2}$	$17\frac{3}{4}$	... ..	Do.





### BIGHORN SHEEP (*Ovis canadensis*).

*Habitat*—North America.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
41	17 $\frac{1}{4}$	26	... ..	Blyth, P.Z.S. 1840, p. 64.
...	17 $\frac{1}{4}$	(owner's measurement)	... ..	T. W. H. Clarke.
40 $\frac{3}{4}$	16 $\frac{1}{2}$	...	... ..	British Museum (American Exhibition Catalogue).
40 $\frac{1}{4}$	15 $\frac{1}{4}$	20 $\frac{1}{4}$	... ..	Sir Edmund G. Loder, Bart.
39 $\frac{5}{8}$	15 $\frac{3}{8}$	...	Colorado ...	St. George Littledale.
39 $\frac{1}{2}$	16 $\frac{1}{2}$	24 $\frac{3}{4}$	North America	British Museum.
39	15 $\frac{3}{4}$	...	... ..	W. A. Baillie Grohman (American Exhibition Catalogue).
39	14 $\frac{1}{8}$	18 $\frac{1}{2}$	... ..	The late J. S. Jameson.
38 $\frac{3}{8}$	15 $\frac{1}{2}$	22	... ..	E. N. Buxton.
38 $\frac{1}{4}$	15 $\frac{1}{4}$	19 $\frac{1}{4}$	Montana ...	St. George Littledale.
38 $\frac{1}{4}$	16 $\frac{3}{8}$	...	... ..	H. Seton Karr (American Exhibition Catalogue).
38	17	...	... ..	Capt. A. Pike.
38	15	...	... ..	Capt. F. Cookson.
37 $\frac{3}{4}$	15 $\frac{7}{8}$	23 $\frac{3}{8}$	Mexico ...	J. A. H. Drought.
37 $\frac{3}{4}$	14 $\frac{1}{8}$	15 $\frac{3}{4}$	British Columbia	Capt. F. Cookson.
37 $\frac{1}{2}$	16	19 $\frac{1}{8}$	... ..	Sir Edmund G. Loder, Bart.
37	16 $\frac{1}{4}$	...	... ..	Major Maitland Kirwin (American Exhibition Catalogue).
36 $\frac{5}{8}$	14 $\frac{3}{4}$	14 $\frac{3}{4}$	... ..	F. J. Horniman.

BIGHORN SHEEP (*Ovis canadensis*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
36½	15½	...	... ..	Major Maitland Kirwin (American Exhibition Catalogue).
36½	14½	...	... ..	Gerald Buxton (American Exhibition Catalogue).
36½	14½	...	... ..	Thos. Bate (American Exhibition Catalogue).
36½	14	...	... ..	J. D. Cobbold.
36½	14¾	13½	... ..	J. C. L. Knight Bruce.
36¾	15¼	22½	... ..	Moreton Frewen.
36¼	14¾	18½	... ..	E. N. Buxton.
36	14½	16½	Montana ...	R. H. Sawyer.
36	15½	...	... ..	Capt. A. Pike.
35¾	13¾	19 (about)	... ..	E. N. Buxton.
35¾	13¼	18	Montana ...	St. George Littledale.
35¼	12¼	16	California ...	Sir Victor Brooke's Collection.
35¼	16½	16½	British Columbia	Capt. F. Cookson, 1885.
35	14	...	... ..	Sir Michael Culme Seymour, Bart.
35	15¾	17¾	... ..	Hon. Charles Ellis.
34¾	15½	...	Colorado ...	St. George Littledale.
34¾	14¼	18	... ..	The late J. S. Jameson.
34½	14½	...	... ..	G. P. Fitzgerald.
34	15	...	... ..	Do.
33¾	14¾	17	... ..	J. C. L. Knight Bruce.
33½	15¼	20¼	... ..	Sir Victor Brooke's Collection.
33½	14½	...	... ..	Sir Michael Culme Seymour.
33½	14	...	... ..	Rowland Ward's Collection.
33½	16	18½	... ..	J. Carr-Saunders.
33	14½	...	... ..	G. P. Fitzgerald.
32¾	15¾	19½	... ..	Sir Victor Brooke's Collection.
32½	14½	16¾	... ..	The late J. S. Jameson.



BIGHORN SHEEP (*Ovis canadensis*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
32 $\frac{1}{2}$	13 $\frac{1}{2}$	...	... ..	J. D. Cobbold.
32 $\frac{3}{8}$	14	20 $\frac{1}{2}$ (about)	... ..	E. N. Buxton.
32 $\frac{3}{8}$	12 $\frac{7}{8}$	16 $\frac{1}{2}$	... ..	J. C. L. Knight Bruce.
32 $\frac{1}{8}$	13 $\frac{1}{2}$	17 $\frac{1}{2}$	... ..	Do.
32	16 $\frac{1}{2}$	...	... ..	Rowland Ward's Collection.
32	14 $\frac{3}{4}$	17 $\frac{1}{4}$	Yellowstone River.	British Museum.
32	13 $\frac{1}{2}$	...	... ..	J. D. Cobbold.
31 $\frac{1}{4}$	15 $\frac{3}{4}$	...	... ..	G. D. Whatman (American Exhibition Catalogue).
31	16 $\frac{1}{2}$	...	... ..	Frank Cooper (American Exhibition Catalogue).
30 $\frac{3}{4}$	15	23 (about)	... ..	Hon. Walter Rothschild.
30 $\frac{1}{2}$	15	...	... ..	Wm. Marr.
30	13	...	... ..	J. D. Cobbold.
28 $\frac{5}{8}$	13 $\frac{5}{8}$	...	British Columbia	Capt. F. Cookson.
28 $\frac{3}{8}$	13 $\frac{5}{8}$	19 $\frac{3}{4}$	... ..	Hon. T. A. Brassey.
28	14 $\frac{1}{2}$	...	... ..	W. C. Beaumont.
27 $\frac{3}{4}$	14 $\frac{1}{2}$	18 $\frac{1}{2}$	Colorado	Sir Victor Brooke's Collection (from J. H. Batty's Collection).
27 $\frac{1}{2}$	14 $\frac{1}{2}$	15 (about)	... ..	Col. Ralph Vivian.
27 $\frac{3}{8}$	14 $\frac{1}{2}$	...	... ..	E. N. Buxton.
26 $\frac{3}{4}$	13 $\frac{1}{2}$	...	... ..	A. H. Harrison.
25 $\frac{1}{2}$	13 $\frac{1}{4}$	...	... ..	J. D. Cobbold.
25	13 $\frac{1}{4}$	...	British Columbia	Capt. F. Cookson.
25	14 $\frac{3}{4}$	...	... ..	W. C. Beaumont.
21 $\frac{7}{8}$	13 $\frac{1}{8}$	20 $\frac{1}{2}$	California	British Museum.
♀ 13	6 $\frac{7}{8}$	13 $\frac{3}{4}$	Mexico	J. A. H. Drought.
♀ 4	3 $\frac{3}{4}$	6	Yellowstone River.	British Museum.

**KAMSCHATKA WILD SHEEP or WILD SHEEP OF ALASKA**  
(*Ovis nivicola*).

[Sir VICTOR BROOKE, Bart., and Mr. B. BROOKE, P.Z.S. 1875, p. 521.]

ADULT male (winter), Mus. Lugd., Kamschatka.

Hair very long and woolly, and not lengthened into a mane on the neck; general colour grizzly brown; an indefinitely bounded patch on the face below the eyes, and all four limbs anteriorly rich uniform dark brown; space round the muzzle, upper and under lip, rump, and posterior part of the haunches, centre of the belly, and the limbs posteriorly pure white. The white on the posterior parts of the limbs give place very suddenly to the brown of their anterior surfaces. The white of the rump does not surround the tail, which on its upper surface is darker than the back. Ears and tail very short.

Horns in form closely resembling those of *Ovis montana*. Frontal and nuchal surfaces convex; orbital surface flat; fronto-nuchal and edges very greatly rounded; fronto-orbital edge strongly defined, a deep groove lying between it and the orbital surface; the terminal curve of the horns well developed, and directed upwards and outwards.

Skull remarkably short and broad, and strongly anchylosed; a shallow anteorbital fossa. Length from between horns to end of præmaxillæ 10 inches, its greatest width across the orbits  $6\frac{3}{4}$  inches; height at the shoulder, 37 inches; length of horns round curve, 33 inches, their circumference  $12\frac{3}{4}$  inches.

Adult male, Mus. Strassburg. Only differs from the former in being considerably paler in colour. Length of horns 27 inches, their circumference  $13\frac{1}{2}$  inches.

Adult female, Mus. Lugd. Is darker than the male, and has short compressed horns, about 9 inches in length. The distribution of colour is the same as in the male.

*Range*.—Kamschatka (Eschscholtz); Stanovoi Mountains, as far south as the sources of the Utschur (Middendorff).

*Habitat*.—Kamschatka.



**KAMSCHATKA WILD SHEEP or WILD SHEEP OF ALASKA**  
**(*Ovis nivicola*)—continued.**

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
38	13 $\frac{1}{2}$	26	... ..	F. H. H. Guillemard's party in the "Marchesa," P.Z.S. 1885, p. 675.
35 $\frac{1}{2}$	14	26 $\frac{1}{2}$	... ..	Do.
35	13 $\frac{1}{4}$	25 $\frac{1}{2}$	... ..	Do.
35	13 $\frac{1}{4}$	21	... ..	Do.
34 $\frac{3}{4}$	14 $\frac{1}{2}$	25	... ..	Do.
34 $\frac{1}{2}$	11 $\frac{7}{8}$	17 $\frac{3}{4}$	... ..	British Museum.
32 $\frac{3}{4}$	13 $\frac{1}{2}$	23	... ..	Sir Edmund G. Loder, Bart.
32 $\frac{1}{2}$	13 $\frac{3}{4}$	22 $\frac{1}{2}$	... ..	F. H. H. Guillemard's party in the "Marchesa," P.Z.S. 1885, p. 675.
32 $\frac{1}{4}$	14	21	... ..	Do.
26 $\frac{1}{2}$	12 $\frac{1}{2}$	21 $\frac{1}{2}$	... ..	Do.
24 $\frac{1}{4}$	12 $\frac{1}{4}$	22	Stanowoi Mnts., E. Siberia.	British Museum.
24	13	17 $\frac{1}{2}$	... ..	F. H. H. Guillemard's party in the "Marchesa," P.Z.S. 1885, p. 675.
23 $\frac{1}{2}$	11 $\frac{1}{2}$	18 $\frac{1}{2}$	Petropaulovski, Kamschatka.	Dr. Dybowski, British Museum.
13	14	25	Kamschatka ...	Lord Lilford. (Shot by F. H. H. Guillemard's party.)

The horns can be readily distinguished from *O. Montana* by the slenderness at the points.

OORIAL (*Ovis cycloceros*)—SHAPOO (*Ovis vignei*).*Habitat*—North-West India.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
*38 $\frac{5}{8}$	12 $\frac{1}{4}$	11 $\frac{1}{4}$	India ... ..	J. Carr-Saunders.
*37 $\frac{1}{2}$	10 $\frac{1}{4}$	11	... ..	A. O. Hume, Private Collection.
*36 $\frac{3}{8}$	9 $\frac{1}{8}$	(about) 17	... ..	Do.
*36 $\frac{1}{4}$	11 $\frac{1}{4}$	...	... ..	Do.
*35 $\frac{1}{2}$	10 $\frac{1}{2}$	16	Gulran, Afghanistan	Dr. J. Aitchison, British Museum.
*33 $\frac{5}{8}$	9 $\frac{1}{8}$	...	... ..	A. O. Hume, Private Collection.
*33 $\frac{1}{8}$	11 $\frac{1}{2}$	10 $\frac{5}{8}$	... ..	Sir Edmund G. Loder, Bart.
*32 $\frac{1}{2}$	11	8	... ..	Blyth, P.Z.S. 1840, p. 71.
†32 $\frac{1}{2}$	10	11 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
*32 $\frac{1}{4}$	10 $\frac{1}{2}$	11 $\frac{3}{4}$	... ..	Do.
*32 $\frac{1}{4}$	10	11 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
†31 $\frac{3}{4}$	9 $\frac{1}{4}$	5 $\frac{1}{4}$	... ..	Do.
†31 $\frac{1}{4}$	8 $\frac{1}{2}$	16	... ..	Do.
*31	12	9 $\frac{3}{4}$	... ..	A. O. Hume, Private Collection.

\* *Ovis vignei*† *Ovis cycloceros*.



OORIAL (*Ovis cycloceros*)—SHAPOO (*Ovis vignei*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
†31	9	...	... ..	Col. Western.
*30 $\frac{7}{8}$	10 $\frac{1}{2}$	13	Ladak ... ..	R. Lydekker, British Museum.
†30 $\frac{7}{8}$	9 $\frac{7}{8}$	20 $\frac{1}{8}$	Jhelum, Salt Range	Sir Victor Brooke's Collection.
*30 $\frac{1}{2}$	12	...	... ..	Rowland Ward's Collection.
*30 $\frac{1}{2}$	...	(owner's measurement)	... ..	C. Hunter.
*30 $\frac{3}{8}$	10 $\frac{3}{4}$	10 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
*30	11 $\frac{3}{4}$	16	... ..	Hon. Walter Rothschild.
†30	10 $\frac{1}{2}$	10	... ..	Hume Collection, British Museum.
†30	9 $\frac{3}{8}$	11 $\frac{1}{4}$	... ..	Sir Victor Brooke's Collection.
*30	8 $\frac{3}{4}$	14	... ..	Prof. Oldham, British Museum.
†29 $\frac{7}{8}$	10 $\frac{3}{8}$	...	... ..	H. C. V. Hunter.
†29 $\frac{3}{4}$	9 $\frac{1}{4}$	8 $\frac{3}{4}$	Punjaub... ..	British Museum.
†29 $\frac{3}{8}$	9 $\frac{7}{8}$	14 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
*29 $\frac{1}{4}$	10 $\frac{7}{8}$	13 $\frac{1}{2}$	... ..	Do.
*29 $\frac{1}{4}$	10 $\frac{7}{8}$	11 $\frac{3}{4}$	... ..	British Museum.
†29 $\frac{1}{4}$	9	13 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
*29	11 $\frac{5}{8}$	18 $\frac{1}{2}$	... ..	Do.
*29 (shortest)	11 $\frac{1}{8}$	...	... ..	Sir Robert Harvey, Bart.
28 $\frac{1}{2}$	8 $\frac{5}{8}$	19 $\frac{1}{2}$	Ladak ... ..	Prof. Oldham, British Museum.
*28 $\frac{1}{4}$	9	15 $\frac{1}{2}$	Kusan, Afghanistan	Dr. J. Aitchison, British Museum.
*27 $\frac{1}{2}$	11 $\frac{1}{8}$	18 $\frac{1}{4}$	... ..	Martyn Kennard.
†27 $\frac{3}{8}$	9 $\frac{3}{4}$	17 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
*27	11 $\frac{3}{8}$	18 $\frac{1}{8}$	Cya Mullah, Ladak	Sir Victor Brooke's Collection, 1875.
*26 $\frac{3}{4}$	10 $\frac{3}{8}$	12 $\frac{5}{8}$	... ..	Martyn Kennard.
†26 $\frac{1}{2}$	10 $\frac{1}{2}$	13	Ladak ... ..	St. George Littledale, 1877.
*26 $\frac{1}{2}$	10 $\frac{3}{8}$	11 $\frac{5}{8}$	... ..	Martyn Kennard.
*26 $\frac{1}{2}$	9 $\frac{1}{2}$	23 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.

\* *Ovis vignei*.† *Ovis Cycloceros*.

OORIAL (*Ovis cycloceros*)—SHAPOO (*Ovis vignei*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
†26½	11½	12¾	Ladak ...	St. George Littledale, 1877.
*26	10½	17½	... ..	Martyn Kennard.
*26	9¼	13⅞	... ..	Do.
†26	(owner's measurement)	...	Kolet Khoond, Salt Range.	Capt. A. A. Kinloch.
*25¾	10⅞	19	... ..	Hume Collection, British Museum.
*25½	11¼	15⅝	... ..	Hon. Charles Ellis.
*25½	9¾	12	... ..	British Museum.
†25⅜	9¾	13¾	... ..	Sir Edmund G. Loder, Bart.
†25⅝	9⅝	17½	Kohrod, Persia ...	Sir Victor Brooke's Collection.
*24¾	10½	18	... ..	British Museum.
*24⅝	9⅞	20½	... ..	Martyn Kennard.
†24½	8⅞	...	... ..	H. C. V. Hunter.
*24⅜	9⅛	13	... ..	Martyn Kennard.
†23⅞	9	10½	... ..	Hume Collection, British Museum.
*23¾	11	18	Astor ...	Sir Victor Brooke's Collection, 1875.
†23½	10	...	... ..	Col. Marten.
†23⅜	8⅞	9⅝	... ..	H. C. V. Hunter.
†23⅛	8⅞	...	... ..	Do.
*23	10⅞	20¼	... ..	Martyn Kennard.
†23	10¾	15¾	... ..	Sir Robert Harvey, Bart.
†23	9½	...	... ..	H. C. V. Hunter, 1889.
†22¾	9⅞	16⅞	... ..	Sir Robert Harvey, Bart.
†22¾	9¼	16	... ..	Rowland Ward's Collection.
†22¼	8½	(tips broken) 20	Punjaub...	British Museum.
†22	10½	20	... ..	Capt. M. Murphy.
*21⅞	10⅝	19¼	... ..	British Museum.
*20	10⅝	19½	Astor ...	Sir Victor Brooke's Collection, 1875.

\* *Ovis vignei*.† *Ovis cycloceros*.



**BURHEL (*Ovis nahura*).***Habitat*—Himalayas.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
32	...	...	India ... ..	B. H. Hodgson, P.Z.S. 1840, p. 66.
30 $\frac{7}{8}$	12 $\frac{1}{4}$	21 $\frac{7}{8}$	Do. ... ..	A. O. Hume, Private Collection.
30	12 $\frac{1}{4}$	22 $\frac{1}{2}$	Do. ... ..	Do.
29 $\frac{1}{2}$	11 $\frac{5}{8}$	25 $\frac{1}{2}$	Do. ... ..	H.R.H. Duke of Edinburgh.
28	11	20 $\frac{1}{4}$	Do. ... ..	Hume Collection, British Museum.
27 $\frac{3}{4}$	10 $\frac{1}{4}$	10	Do. ... ..	Capt. G. Campbell.
27 $\frac{1}{4}$	11	21 $\frac{1}{2}$	Ladak ... ..	St. Geo. Littledale, 1877.
26 $\frac{1}{4}$	11 $\frac{7}{8}$	23	India ... ..	Sir Victor Brooke's Collection.
26 $\frac{1}{4}$	12	21 $\frac{1}{4}$	Do. ... ..	Hon. Walter Rothschild.
26 $\frac{1}{4}$	10 $\frac{3}{4}$	22	Do. ... ..	Sir Edmund G. Loder, Bart.
26 $\frac{1}{8}$	12 $\frac{3}{8}$	25	Do. ... ..	Hume Collection, British Museum.
26	12	20 $\frac{1}{2}$	Do. ... ..	Rowland Ward's Collection.
25 $\frac{1}{2}$	11 $\frac{1}{2}$	...	Do. ... ..	Zoo. Society's Museum (P.Z.S. 1840, p. 67 and 68).
25 $\frac{3}{8}$	11 $\frac{1}{4}$	25 $\frac{1}{4}$	Ladak ... ..	St. George Littledale, 1877.
24 $\frac{1}{2}$	12 $\frac{1}{4}$	26	India ... ..	J. Carr-Saunders.
24	11	...	Ladak ... ..	Mr. Leadbeater, Zoo. Society's Museum (P.Z.S. 1840, p. 67 and 68).
24	10	22 $\frac{1}{4}$	India ... ..	Rowland Ward's Collection.
24	11	22 $\frac{3}{4}$	Do. ... ..	B. H. Hodgson, British Museum.
23 $\frac{3}{4}$	10 $\frac{5}{8}$	26 $\frac{1}{8}$	Ladak ... ..	R. Lydekker, British Museum.
23 $\frac{3}{8}$	11 $\frac{3}{4}$	24 $\frac{1}{4}$	India ... ..	Sir Robt. Harvey, Bart.

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BURHEL (*Ovis nahura*)—continued.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
23 $\frac{1}{4}$	11 $\frac{1}{4}$	25 $\frac{3}{4}$	India ...	Hume Collection, British Museum.
23	12	26	Do. ...	H. R. H. Duke of Edinburgh.
22 $\frac{3}{8}$	10 $\frac{3}{4}$	22 $\frac{3}{4}$	Do. ...	B. H. Hodgson, British Museum.
22 $\frac{1}{4}$	10 $\frac{1}{2}$	23	Ladak ...	St. George Littledale, 1877.
22 $\frac{1}{8}$	10 $\frac{5}{8}$	...	India ...	Sir Robert Harvey, Bart.
22	...	...	Do. ...	Do.
22	10 $\frac{5}{8}$	25 $\frac{1}{2}$	Do. ...	Do.
22	10 $\frac{1}{2}$	21 $\frac{1}{4}$	Nepal ...	B. H. Hodgson, British Museum.
22	11	24	... ..	Capt. G. Campbell.
21 $\frac{3}{4}$	10 $\frac{1}{4}$	23	India ...	Capt. G. McMicking.
21 $\frac{3}{4}$	11 $\frac{3}{8}$	25 $\frac{3}{4}$	Do. ...	Hume Collection, British Museum.
21 $\frac{1}{2}$	11	...	Do. ...	H. C. V. Hunter.
21 $\frac{1}{8}$	11	23 $\frac{3}{4}$	Do. ...	Hume Collection, British Museum.
20	10	25	Do. ...	Zoo. Society's Museum (P.Z.S. 1840, p. 67 and 68).
19 $\frac{7}{8}$	10 $\frac{3}{8}$	23 $\frac{1}{4}$	Ladak ...	St. George Littledale, 1877.
19 $\frac{1}{4}$	10 $\frac{1}{2}$	24	India ...	B. H. Hodgson, British Museum.
19 $\frac{1}{4}$	11 $\frac{1}{4}$	27	Thibet ...	Sir Victor Brooke's Collection.
19	10 $\frac{1}{2}$	26	India ...	Reginald Beech.
18 $\frac{3}{4}$	11 $\frac{7}{8}$	24 $\frac{1}{2}$	Nepal ...	B. H. Hodgson, British Museum.

OVIS ARGALI.

*Habitat*—India.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
40 $\frac{1}{2}$	17	11	Nepal ...	B. H. Hodgson, British Museum.
37 $\frac{1}{4}$	16	17 $\frac{1}{2}$	Do. ...	Do.



**MOUFFLON (*Ovis musimon*).**\*

[BLYTH, P.Z.S. 1840, p. 72.]

IT is unnecessary to give a detailed description of this beautiful little species, though I may mention that the fine living male in the gardens measures 39 in. from nose to tail, the tail 5 in.; from nose to base of horn 7 in.; ears 4 in.; neck, from posterior base of horn to the abrupt angle of its insertion, 8 in., and thence to base of tail 21 in.; height at the shoulder  $2\frac{1}{4}$  ft.

The female has seldom any horns, which, when they exist, are ordinarily about 2 in. long.

*Habitat*—Sardinia and Corsica.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
28 $\frac{7}{8}$	8 $\frac{1}{8}$	...	Sardinia ...	E. N. Buxton.
28	8 $\frac{3}{4}$	9 $\frac{3}{8}$	Do. ...	Do.
26	7	12	... ..	Blyth, P.Z.S. 1840, pt. 8, p. 72.
25 $\frac{1}{2}$	8 $\frac{1}{4}$	10	... ..	Hon. Walter Rothschild.
24 $\frac{1}{2}$	9 $\frac{1}{8}$	9 $\frac{7}{8}$	South - West Sardinia.	Sir Victor Brooke's Collection.
24	9	12	... ..	R. J. Kennedy.
22 $\frac{7}{8}$	8	5 $\frac{1}{8}$	... ..	Zoological Society, British Museum.
21 $\frac{1}{4}$	8 $\frac{7}{8}$	...	Sardinia ...	E. N. Buxton.
21	8 $\frac{1}{4}$	9	South Sardinia ...	Sir Victor Brooke's Collection.
21	8 $\frac{1}{4}$	6	... ..	Blyth, P.Z.S. 1840, pt. 8, p. 72.
20 $\frac{3}{4}$	7 $\frac{5}{8}$	12	North Africa ...	British Museum.
8 $\frac{5}{8}$	5 $\frac{7}{8}$	9 $\frac{5}{8}$	Sardinia ...	E. N. Buxton.

\* The Moufflon sheep of Corsica and Sardinia, but not, there is reason to suspect, of the Levantine Countries.

CYPRIAN WILD SHEEP or MOUFFLON (*Ovis ophion*).*Habitat*—Cyprus.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
24	8	4·60	Cyprus ... ..	Lord Lilford, P.Z.S. December 2nd, 1882.
23½	8·15	12·20	... ..	Col. J. Biddulph, P.Z.S. December 2nd, 1882.
23	7	5¾	... ..	British Museum, P.Z.S. December 2nd, 1882.
22¾	7½	6	Trudos Mountains, Cyprus.	Gen. Sir R. Biddulph, British Museum.
22¼	8	12¾	Cyprus ... ..	Sir Victor Brooke's Collection.

AOUDAD (*Ovis tragelaphus*).

[BLYTH, P.Z.S. 1840, p. 75.]

THIS animal appears to vary considerably in size—some exceeding a Fallow Deer in stature, while others are much smaller. It has no beard on the chin, like the true goats, but is remarkable for the long hanging hair in front of the neck and on the upper part of the fore-limbs, the former attaining in fine males to about a foot in length, and the latter to 9 in.; there is also some lengthened hair at the setting on of the head, and a dense nuchal mane, the hairs of which are 3 in. long, continued over the withers till lost about the middle of the back; general colour yellow-brown; horns moderately stout, turning outwards, backwards, and so inwards, with the tips inclining towards each other.

This species is well known as the "Aoudad" of the Moors, and the "Kebsh" of the Egyptians; it is also, according to Rüppell, the "Tedal" of the inhabitants of Nubia, which is doubtless the same as "Teybal," applied by Burkhardt to the wild goat of that region, in addition to the word "Beden," which (in common with Rüppell and others) he also assigns to the latter.



**AOUDAD** (*Ovis tragelaphus*)—*continued*.*Habitat*—Mountain-ranges of North Africa.

Length.	Circumference at base.	Tip to Tip.	Habitat.	Owner.
26 $\frac{3}{8}$	10 $\frac{3}{4}$	15 $\frac{1}{4}$	North Africa ...	British Museum.
26	11	17 $\frac{3}{4}$	Do. ...	Do.
26	10 $\frac{7}{8}$	...	Do. ...	Do.
25	10 $\frac{1}{2}$	15	Do. ...	Blyth, P.Z.S. 1840, p. 76.
23	11 $\frac{1}{8}$	5	Do. ...	British Museum.
22 $\frac{1}{2}$	10 $\frac{3}{4}$	12 $\frac{3}{4}$	Do. ...	Lord Edward Cecil.
19 $\frac{7}{8}$	11 $\frac{1}{4}$	14 $\frac{1}{4}$	Do. ...	British Museum.
19 $\frac{1}{4}$	9 $\frac{1}{4}$	16 $\frac{3}{4}$	Djebel Matlili ...	E. N. Buxton.
18 $\frac{1}{2}$	11 $\frac{5}{8}$	18 $\frac{1}{2}$	North Africa ...	Sir Edmund G. Loder, Bart.
18 $\frac{1}{4}$	7 $\frac{1}{2}$	14 $\frac{1}{4}$	Do. ...	Rowland Ward's Collection.
18	7 $\frac{3}{4}$	15	Do. ...	British Museum.
16 $\frac{3}{4}$	7 $\frac{7}{8}$	16 $\frac{3}{4}$	Do. ...	Do.
16 $\frac{1}{2}$	7 $\frac{1}{4}$	15	Djebel Matlili ...	E. N. Buxton.
16	7 $\frac{1}{2}$	17 $\frac{1}{4}$	North Africa ...	Blyth, P.Z.S. 1840, p. 76.

**ASIA MINOR SHEEP** (*Ovis gmelini*).*Habitat*—Persia and Asia Minor.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
40 $\frac{1}{4}$	10 $\frac{1}{2}$	5 $\frac{1}{2}$	... ..	W. Burchart Barker, British Museum, P.Z.S. Feb. 1880.
36 $\frac{1}{4}$	10 $\frac{3}{8}$	5 $\frac{3}{4}$	... ..	British Museum.
30 $\frac{1}{2}$	10 $\frac{5}{8}$	18	... ..	Sir Victor Brooke's Collection.
29 $\frac{5}{8}$	9 $\frac{1}{8}$	11 $\frac{3}{4}$	... ..	Do.

ASIA MINOR SHEEP (*Ovis gmelini*)—*continued*.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
26·10	8½	12·20	... ..	C. G. Danford, P.Z.S. Feb. 1880.
24·40	10	12·80	... ..	Do.
23½	9	15½	... ..	Sir Victor Brooke's Collection.
21·40	10¼	21	... ..	British Museum, P.Z.S. Feb. 1880.
20	10	21	... ..	Blyth, P.Z.S. 1840, p. 70.
18½	8½	11	... ..	British Museum, P.Z.S. Feb. 1880.

DOMESTIC SHEEP (*Ovis aries*).

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
39½	8¾	21	... ..	H. E. Surtees.
35½	8	16¾	... ..	Sir Victor Brooke's Collection.
33	11	22¼	Yarkund ...	Hume Collection, British Museum.
32	8⅝	27¾	Do. ...	Do.
32	8¾	17¾	... ..	British Museum.
28¾	8	21½	Scotland ...	Rowland Ward's Collection.
22⅝	9½	20¼	Yarkund ...	Hume Collection, British Museum.
22¾	9¼	22½	Do. ...	Do.
18	7¾	16¼	(Fezzan sheep) ...	British Museum.
17⅞ × 14½	7⅞ × 4¾	4½ × 6¾	(four horns) ...	Hume Collection, British Museum.
17 × 11¾	6¾ × 5	6 × 8½	Do. ...	British Museum.
13¼ × 10¾	5¾ × 4½	...	(five horns) ...	Hume Collection, British Museum.
13 × 9¾	7⅞ × 5	14¾	(four horns) ...	A. O. Hume, Private Collection.
12½	...	...	West Africa ...	British Museum.
12 × 9¾	6½ × 4	17¼	(four horns) ...	A. O. Hume, Private Collection.



**MUSK OX** (*Ovibos moschatus*).*Habitat*—Arctic Regions.

Length.	Breadth of Palm.	Tip to Tip.	Habitat.	Owner.
27 $\frac{1}{4}$	12 $\frac{1}{2}$	27	North America ...	Earl of Lonsdale.
26 $\frac{7}{8}$	11	27	Barren Ground of Northern Canada.	Warburton Pike.
26 $\frac{3}{4}$	12 $\frac{3}{8}$	...	North America ...	J. Rae, British Museum.
26 $\frac{1}{4}$	13 $\frac{1}{8}$	27 $\frac{5}{8}$	Do. ...	British Museum.
24 $\frac{3}{4}$	11	25 $\frac{1}{2}$	Barren Ground of Northern Canada.	Warburton Pike.
24 $\frac{1}{2}$	12 $\frac{3}{8}$	24 $\frac{1}{2}$	North America ...	British Museum.
24 $\frac{1}{4}$	10 $\frac{1}{2}$	26	Barren Ground of Northern Canada.	Warburton Pike.
24	20 (circumference)	30	North America ...	Earl of Lonsdale.
24	9 $\frac{3}{4}$	23 $\frac{1}{8}$	Do. ...	Sir Edmund G. Loder, Bart.
22 $\frac{3}{4}$	9 $\frac{1}{4}$	19 $\frac{1}{4}$	Grinnell Land ...	Capt. W. H. Fielden, British Museum.
22 $\frac{1}{2}$	8 $\frac{3}{4}$ (about)	...	Discovery Bay ...	British Museum.
♀ 18 $\frac{3}{8}$	4 $\frac{1}{4}$	...	North America ...	A. G. Dallas, British Museum.
♀ 18 $\frac{1}{4}$	4 $\frac{1}{8}$	...	Do. ...	Do.
♀ 16	3 $\frac{1}{2}$	...	Do. ...	British Museum.

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CAPE BUFFALO.

BOS CAFFER.

**CAPE BUFFALO** (*Bos caffer*).*Bechuana name*—"Nari."*Lower Zambesi name*—"Nyati" or "Njati."*Habitat*—Africa.

Greatest Width.		Tip to Tip.	Width of Palm.	Habitat.	Owner.
Inside.	Outside.				
42	...	...	17	Near River Ramokwebani, South Africa.	F. C. Selous, "A Hunter's Wanderings."
...	45½	...	11½	Kilimanjaro, East Africa.	H. C. V. Hunter.
41¼	45¾	37⅞	...	South Africa ...	British Museum.
41	45½	30	...	East Africa ...	W. Astor Chanler.
40⅞	47	...	12¼	Do. ...	F. J. Jackson.
40½	...	26	...	Do. ...	Prince Boris Czetwertynski.
40	...	...	7	Linyanti, River Chobe.	F. C. Selous, "A Hunter's Wanderings."
39¾	45¾	...	12⅞	East Africa ...	H. C. V. Hunter.
39⅝	44¾	27½	11¼	Do. ...	Sir Robert Harvey, Bart.
39	43¾	29⅞	13½	South Africa ...	F. C. Selous.
38¼	43¼	24½	13¼	Do. ...	Sir John Willoughby, Bart.



CAPE BUFFALO (*Bos caffer*)—*continued.*

Greatest Width.		Tip to Tip.	Width of Palm.	Habitat.	Owner.
Inside.	Outside.				
...	44	...	...	East Africa ...	Joseph Thomson, "Through Masai Land."
38 $\frac{1}{4}$	42 $\frac{3}{8}$	28 $\frac{1}{8}$	13 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
38	42 $\frac{1}{2}$	...	12 $\frac{1}{4}$	Do. ...	H. C. V. Hunter.
37 $\frac{1}{4}$	41 $\frac{3}{4}$	29 $\frac{5}{8}$	13	South Africa ...	J. Carr-Saunders.
37 $\frac{3}{4}$	43 $\frac{5}{8}$	26 $\frac{1}{2}$	12 $\frac{3}{4}$	East Africa ...	Hon. Walter Rothschild.
37 $\frac{1}{8}$	41 $\frac{1}{2}$	30	12	Do. ...	Sir Robert Harvey, Bart.
37 $\frac{1}{8}$	41 $\frac{1}{4}$	34	12 $\frac{3}{8}$	Do. ...	Do.
37	42	34	...	Do. ...	Prince Stargynski.
37	41 $\frac{1}{2}$	24	12 $\frac{3}{4}$	South Africa ...	W. C. Oswell.
37	40	35	...	East Africa ...	Gen. Mathews.
37	40	32	11 $\frac{7}{8}$	Abyssinia ...	E. Lort-Phillips.
36 $\frac{7}{8}$	41 $\frac{1}{2}$	28	...	... ..	British Museum.
36 $\frac{7}{8}$	40 $\frac{1}{4}$	30 $\frac{7}{8}$	11 $\frac{3}{4}$	East Africa ...	Sir Robert Harvey, Bart.
36 $\frac{3}{4}$	41	27 $\frac{5}{8}$	10 $\frac{1}{4}$	... ..	Bethnal Green Museum.
36 $\frac{3}{4}$	42 $\frac{3}{8}$	29 $\frac{1}{2}$	12 $\frac{1}{2}$	... ..	Sir Victor Brooke's Collection.
36 $\frac{1}{4}$	41	...	11 $\frac{3}{4}$	East Africa ...	H. C. V. Hunter.
36 $\frac{1}{8}$	41 $\frac{1}{8}$	...	25 $\frac{3}{4}$	South Africa ...	British Museum.
36	...	21	(owner's measurement)	... ..	Sir John Willoughby, Bart.
36	42 $\frac{1}{8}$	...	22 $\frac{1}{4}$	South Africa ...	British Museum.
36	41 $\frac{1}{2}$	22	...	Do. ...	A. W. Davis.
36	41 $\frac{1}{4}$	29 $\frac{1}{2}$	11 $\frac{3}{4}$	Do. ...	A. Beit.
36	40 $\frac{1}{2}$	26	...	East Africa ...	Prince Boris Czetwertynski.
36	40	28 $\frac{1}{2}$	(shot by H. H. Johnson)	South Africa ...	Sir Philip Currie, Bart.
...	41	30	...	... ..	Rowland Ward's Collection.
35 $\frac{7}{8}$	41	28 $\frac{3}{4}$	...	Mashona Land	F. C. Selous, British Museum.
35 $\frac{3}{4}$	40	...	14 $\frac{5}{8}$	East Africa ...	F. J. Jackson.

CAPE BUFFALO (*Bos caffer*)—continued.

Greatest Width.		Tip to Tip.	Width of Palm.	Habitat.	Owner.
Inside.	Outside.				
35 $\frac{5}{8}$	39 $\frac{3}{4}$	30 $\frac{1}{4}$	10 $\frac{3}{4}$	East Africa ...	Sir Robert Harvey, Bart.
35	40	25	15 $\frac{1}{2}$	South Africa ...	F. C. Selous.
34 $\frac{7}{8}$	38 $\frac{1}{2}$	29 $\frac{1}{8}$	13 $\frac{3}{4}$	East Africa ...	H. C. V. Hunter.
...	...	26 $\frac{1}{2}$	...	... ..	J. A. Jameson.
34	39	26	...	... ..	R. P. Carrol.
34	38 $\frac{1}{4}$	27 $\frac{3}{8}$	11 $\frac{7}{8}$	South Africa ...	F. C. Selous.
34	along front curve one horn	32 $\frac{1}{2}$	13 $\frac{1}{2}$	East Africa ...	T. W. H. Greenfield.
33 $\frac{7}{8}$	39	23 $\frac{1}{8}$	13 $\frac{1}{4}$	Do. ...	Sir Robert Harvey, Bart.
33 $\frac{7}{8}$	38 $\frac{1}{4}$	26 $\frac{5}{8}$	12 $\frac{3}{4}$	Do. ...	H. C. V. Hunter.
33 $\frac{1}{2}$	37 $\frac{1}{4}$	32 $\frac{3}{4}$	12 $\frac{1}{2}$	Do. ...	Sir John Kirk, M. D., K. C. B.
33 $\frac{1}{4}$	38 $\frac{3}{4}$	...	16	Do. ...	F. J. Jackson.
33	39	21	...	South Africa ...	Rowland Ward's Collection.
32 $\frac{5}{8}$	36 $\frac{1}{2}$	23 $\frac{3}{4}$	12 $\frac{1}{4}$	East Africa ...	Sir Robert Harvey, Bart.
32 $\frac{1}{2}$	37	24 $\frac{1}{2}$	11 $\frac{1}{2}$	Do. ...	Do.
32 $\frac{1}{2}$	38 $\frac{1}{4}$	19 $\frac{3}{4}$	13	... ..	Sir Edmund G. Loder, Bart.
32	38 $\frac{3}{4}$	16	10 $\frac{1}{2}$	South Africa ...	A. Beit.
32	36 $\frac{5}{8}$	20 $\frac{1}{8}$	(about) 13 $\frac{3}{8}$	East Africa ...	Sir Robert Harvey, Bart.
31 $\frac{7}{8}$	37 $\frac{1}{8}$	23 $\frac{5}{8}$	13	... ..	H. R. H. Duke of Edinburgh.
31 $\frac{1}{2}$	35 $\frac{3}{4}$	24 $\frac{1}{4}$	13 $\frac{1}{4}$	South Africa ...	Dr. Knight Bruce, Bishop of Mashuna Land.
31 $\frac{1}{4}$	35 $\frac{3}{4}$	...	12 $\frac{1}{4}$	East Africa ...	H. C. V. Hunter.
31	35 $\frac{5}{8}$	24 $\frac{1}{2}$	12 $\frac{1}{2}$	Do. ...	Sir Robert Harvey, Bart.
30 $\frac{3}{4}$	36	19	10	Do. ...	Sir John Kirk, M. D., K. C. B.
30 $\frac{1}{2}$	34 $\frac{1}{2}$	22 $\frac{7}{8}$	14 $\frac{1}{2}$	Do. ...	Sir Robert Harvey, Bart.
30 $\frac{1}{8}$	33 $\frac{3}{8}$	26 $\frac{3}{4}$	...	South Africa ...	British Museum.
29 $\frac{1}{4}$	34	...	14 $\frac{1}{8}$	East Africa ...	H. C. V. Hunter.
28 $\frac{7}{8}$	33 $\frac{1}{8}$	22 $\frac{1}{2}$	10 $\frac{5}{8}$	South Africa ...	Dr. Knight Bruce, Bishop of Mashunaland.



CAPE BUFFALO (*Bos caffer*)—*continued*.

Greatest Width.		Tip to Tip.	Width of Palm.	Habitat.	Owner.
Inside.	Outside.				
28½	34	...	28¾	Mashuna Land	F. C. Selous, British Museum.
28½	32¾	18½	13½	East Africa ...	Sir Robert Harvey, Bart.
28	32	22	6¾	Buse Country ...	F. L. James.
27½	32¾	15½	10¼	East Africa ...	Sir Robert Harvey, Bart.
26½	31½	21¼	9¼	... ..	C. P. V. Aylmer and W. D. James, 1881.
24½	28¾	...	21¾	Algoa Bay ...	British Museum.

CENTRAL AFRICAN BUFFALO (*Bos Centralis*).*Habitat*—North and Central Africa.

Greatest width.		Tip to Tip.	Width of Palm.	Habitat.	Owner.
Inside.	Outside.				
36½	39	34½	...	Soudan ... ..	Rowland Ward's Collection.
28½	31¾	25¾	8½	Do. ... ..	Col. Ralph Vivian.
28	33¼	19	8¾	Do. ... ..	Do.
26¾	31¾	24¾	...	Bogos Land, Abyssinia.	British Museum.
25¾	28½	24	...	Do.	Do.

## BUBALUS RECLINUS.

Greatest width.		Tip to Tip.	Habitat.	Owner.
Inside.	Outside.			
18	24¼	11¾	... ..	British Museum.

**ARNEE** (*Bos buffelus*).*Habitat*—India.

Length Outside Curve.	Circumference at Base.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
77 $\frac{3}{8}$	17 $\frac{7}{8}$	...	(single horn)	India ... ..	British Museum.
65 $\frac{3}{4}$	20 $\frac{1}{4}$	...	...	Assam ... ..	Col. J. Mathie, British Museum.
58 $\frac{5}{8}$	12 $\frac{3}{8}$	...	...	India ... ..	British Museum.
♀ 58 $\frac{1}{2}$	13 $\frac{1}{4}$	...	...	... ..	Mrs. Hannaford.
58 $\frac{1}{2}$	12 $\frac{3}{4}$	...	...	... ..	British Museum.
58 $\frac{1}{4}$	18	42 $\frac{1}{4}$	...	... ..	Bethnal Green Museum.
57	(owner's measurement)	...	...	... ..	J. D. Inverarity.



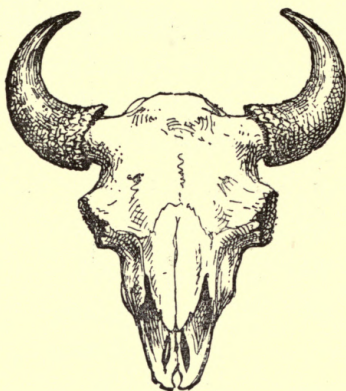
ARNEE (*Bos buffelus*)—*continued*.

Length Outside Curve.	Circumference at Base.	Tip to Tip.	Widest Inside.	Habitat.	Owner.
56	15½	55½	58	Kuch Behar ...	Eyre Coote.
55½	18½	29	44	India ...	J. Carr-Saunders.
54½	18½	38½	48½	Do. ...	Hume Collection, British Museum.
53½	12	...	...	... ..	A. O. Hume, Private Col- lection.
53¼	21	26½	...	... ..	Baron de Nolde.
53¼	12½	23¼	40½	... ..	Hume Collection, British Museum.
53½	12½	...	...	Nepal ...	B. H. Hodgson, British Museum.
53	12½	...	...	India ...	British Museum.
52¾	18¼	30½	44½	Do. ...	Hume Collection, British Museum.
52	16¾	...	...	Do. ...	British Museum.
51½	16½	...	...	Do. ...	Do.
51¼	16½	...	...	Do. ...	Do.
51½	18½	44½	50½	Nepal ...	B. H. Hodgson, British Museum.
50¾	19½	36	...	India ...	Lieut. St. John Brodrick.
50½	17½	21½	37	Do. ...	Hon. Walter Rothschild.
50¼	18½	...	...	Do. ...	British Museum.
50	13¼	33	38½	Do. ...	Noel Fenwick.
49½	12½	35½	47½	Do. ...	British Museum.
49½	17½	22	40	Do. ...	Do.
48½	16	...	...	Do. ...	Do.
47½	17½	19¾	...	Do. ...	Do.
47½	18	...	...	Do. ...	Do.
47	16	38½	46¼	Do. ...	Bethnal Green Museum.
45½	12	25½	...	Do. ...	British Museum.
43¼	18	46¾	49¼	Do. ...	Major Talbot.
43	16	50	50¾	Do. ...	H. R. H. Duke of Edinburgh.
42	13¾	33	38½	Do. ...	Rowland Ward's Collection.

ARNEE (*Bos buffelus*)—*continued*.

Length outside Curve.	Circumference at base.	Tip to Tip.	Widest inside.	Habitat.	Owner.
40 $\frac{1}{8}$	11 $\frac{1}{4}$	35	41	India ... ..	British Museum.
39 $\frac{5}{8}$	14 $\frac{3}{4}$	35 $\frac{1}{8}$	42	Nepal ... ..	B. H. Hodgson, British Museum.
39 $\frac{1}{2}$	14 $\frac{1}{2}$	35 $\frac{3}{8}$	41 $\frac{7}{8}$	Do. ... ..	Do.
38	16 $\frac{1}{2}$	35 $\frac{1}{2}$	37c	India ... ..	Noel Fenwick.
38	13	25 $\frac{3}{4}$	34 $\frac{7}{8}$	Kuch Behar ...	Capt. H. Streatfield.
36 $\frac{1}{4}$	11 $\frac{1}{8}$	16 $\frac{3}{4}$	24 $\frac{1}{4}$	Nepal ... ..	British Museum.
35	12	26 $\frac{1}{2}$	41	India ... ..	E. Tennant.
32 $\frac{3}{8}$	11 $\frac{1}{4}$	...	...	Nilghiri Hills...	Gen. Hardwicke, British Museum.
30 $\frac{3}{4}$	14	22	32	Ceylon... ..	H. E. Lindsey.
29	9 $\frac{3}{8}$	...	...	... ..	British Museum.
26 $\frac{3}{8}$	14 $\frac{3}{4}$	28 $\frac{1}{8}$	25	Formosa ... ..	R. Swinhoe, British Museum.
25 $\frac{3}{4}$	11 $\frac{1}{8}$	...	...	... ..	British Museum.
25 $\frac{1}{4}$	17 $\frac{1}{8}$	34	...	... ..	Sir Stanford Raffles, British Museum.
25	14 $\frac{5}{8}$	22 $\frac{1}{8}$	25	Formosa ... ..	R. Swinhoe, British Museum.
22 $\frac{7}{8}$	10 $\frac{3}{4}$	17 $\frac{7}{8}$	20 $\frac{5}{8}$	Nepal ... ..	B. H. Hodgson, British Museum.
19	7	(owner's measurement)	...	Nicarawettya, Ceylon.	J. H. Mann.



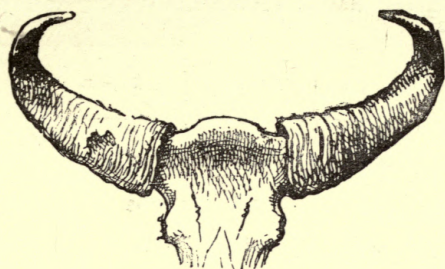


### AMERICAN BISON (*Bos Americanus*).

Now nearly extinct.

*Habitat*—North America.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
20 $\frac{7}{8}$	15	...	30 $\frac{1}{2}$	Wyoming ...	Hon. F. Thellusson.
18 $\frac{7}{8}$	14 $\frac{3}{4}$	...	16 $\frac{7}{8}$	... ..	The late J. S. Jameson.
17 $\frac{3}{4}$	12 $\frac{3}{8}$	15 $\frac{1}{8}$	...	... ..	H.R.H. Duke of Edinburgh.
17 $\frac{1}{2}$	12	...	25 $\frac{1}{2}$	... ..	Rowland Ward's Collection.
17 $\frac{1}{8}$	11 $\frac{3}{8}$	10 $\frac{3}{8}$	17 $\frac{1}{2}$	... ..	British Museum.
16 $\frac{5}{8}$	14 $\frac{1}{4}$	24	...	... ..	Moreton Frewen.
16 $\frac{1}{2}$	12 $\frac{1}{2}$	19 $\frac{3}{8}$	Hill Buffalo	... ..	Sir Edmund G. Loder, Bart.
16 $\frac{1}{8}$	15 $\frac{7}{8}$	25 $\frac{3}{4}$	...	... ..	Do.
16	11 $\frac{3}{4}$	15 $\frac{3}{8}$	...	... ..	F. J. Horniman.
15 $\frac{1}{2}$	14 $\frac{3}{8}$	...	19 $\frac{3}{4}$	Wyoming ...	St. George Littledale.
14	...	12 $\frac{1}{4}$	...	... ..	Col. Ralph Vivian.
13 $\frac{3}{8}$	12	...	...	... ..	Hon. Walter Rothschild.
13 $\frac{7}{8}$	12 $\frac{3}{4}$	19 $\frac{5}{8}$	...	... ..	J. Carr-Saunders.
12 $\frac{1}{4}$	12 $\frac{1}{4}$	17 $\frac{1}{4}$	17 $\frac{3}{8}$	Mount Yellowstone.	British Museum.

GAUR BISON (*Bos Gaurus*).*Habitat*—India.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
33 $\frac{3}{4}$	17 $\frac{1}{4}$	24	...	India ...	J. D. Goldingham, Bethnal Green Museum.
33 $\frac{1}{2}$	18 $\frac{1}{2}$	25	33 $\frac{1}{4}$	Do. ...	T. W. H. Greenfield.
...	19 (owner's measurement)	...	...	Do. ...	J. D. Inverarity.
31 $\frac{7}{8}$	17 $\frac{1}{8}$	21 $\frac{3}{8}$	32 $\frac{1}{2}$	Do. ...	A. O. Hume, Private Collection.
31 $\frac{1}{2}$	18	29	43 (outside)	Do. ...	Bombay Nat. Hist. Society ("Proceedings").
31 $\frac{1}{4}$	16 $\frac{3}{8}$	12 $\frac{5}{8}$	27 $\frac{1}{2}$	Do. ...	J. D. Goldingham, Bethnal Green Museum.
30 $\frac{1}{2}$	16 $\frac{1}{2}$	13 $\frac{1}{2}$	33 $\frac{1}{4}$ (outside)	Do. ...	Lieut.-Col. Sandys.
30 $\frac{1}{8}$	17 $\frac{7}{8}$	33 $\frac{3}{8}$	40 $\frac{1}{4}$	Do. ...	J. Carr-Saunders.
29 $\frac{7}{8}$	18 $\frac{1}{4}$	30	34	Do. ...	Sir Edmund G. Loder, Bart.
29 $\frac{3}{4}$	18 $\frac{5}{8}$	25 $\frac{1}{4}$	30 $\frac{3}{8}$	Hassanoor Hills, S. India.	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton).
29 $\frac{5}{8}$	18 $\frac{1}{2}$	16 $\frac{1}{4}$	26 $\frac{1}{2}$	Annamalies, South India.	Do.
29 $\frac{1}{2}$	18 (owner's measurement)	...	33 (outside)	India ...	J. D. Inverarity.
29 $\frac{1}{4}$	12 $\frac{7}{8}$	...	18	Do. ...	Gen. Hardwicke, British Museum.
29 $\frac{1}{8}$	16 $\frac{5}{8}$	20 $\frac{3}{8}$	29 $\frac{1}{4}$	Nepal ...	B. H. Hodgson, British Museum.
29	22	(owner's measurement)	...	India ...	Otho Shaw.
28 $\frac{3}{4}$	15 $\frac{3}{4}$	30 $\frac{5}{8}$	35	Do. ...	British Museum.
28 $\frac{5}{8}$	17 $\frac{3}{8}$	24 $\frac{1}{2}$	28 $\frac{3}{8}$	Sahaydri Mts., South India.	Capt. W. Thompson, British Museum.



GAUR BISON (*Bos gaurus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
28 $\frac{3}{4}$	18	25 $\frac{3}{8}$	31 $\frac{1}{4}$	Annamalies, South India.	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton.)
28 $\frac{5}{8}$	15 $\frac{3}{4}$	37 $\frac{3}{4}$	40 $\frac{1}{2}$	India ...	A. O. Hume, Private Collection.
28 $\frac{1}{2}$	15 $\frac{3}{4}$	18 $\frac{5}{8}$	28 $\frac{5}{8}$	Do. ...	Maj.-Gen. Arthur Ellis, C.S.I.
28 $\frac{1}{2}$	15 $\frac{1}{4}$	17	27	Do. ...	Hume Collection, British Museum.
28 $\frac{1}{4}$	18	15 $\frac{3}{4}$	(owner's measurement)	Do. ...	F. W. Wodehouse.
28 $\frac{1}{4}$	18 $\frac{3}{8}$	24 $\frac{3}{4}$	31 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
28	17	24 $\frac{3}{8}$	31 $\frac{5}{8}$	Palnis, India	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton.)
28	15 $\frac{3}{4}$	19 $\frac{1}{4}$	30	Annamalies, South India.	Do.
28	16	10 $\frac{1}{4}$	24	India ...	Martyn Kennard.
27 $\frac{7}{8}$	18 $\frac{3}{8}$	20 $\frac{3}{4}$	27 $\frac{5}{8}$	Annamalies, South India.	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton.)
27 $\frac{7}{8}$	17 $\frac{1}{8}$	32 $\frac{1}{4}$	32 $\frac{3}{4}$	India ...	Major Cumberland.
27 $\frac{3}{4}$	16 $\frac{5}{8}$	32 $\frac{1}{2}$	36	Do. ...	Hume Collection, British Museum.
27 $\frac{1}{2}$	18 $\frac{5}{8}$	18 $\frac{5}{8}$	28 $\frac{5}{8}$	Do. ...	Do.
27 $\frac{3}{8}$	14 $\frac{1}{2}$	21 $\frac{3}{8}$	28 $\frac{5}{8}$	Do. ...	Dr. Falconer, British Museum.
27	18	19 $\frac{1}{2}$	27 $\frac{1}{2}$	Annamalies, South India.	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton.)
27	16	16	...	... ..	Rowland Ward's Collec- tion.
26 $\frac{7}{8}$	15 $\frac{7}{8}$	16 $\frac{1}{4}$	27	India ...	Hon. Walter Rothschild.
26 $\frac{5}{8}$	13 $\frac{1}{4}$	10 $\frac{5}{8}$	20 $\frac{5}{8}$	Do. ...	British Museum.
26 $\frac{1}{2}$	16 $\frac{1}{4}$	18 $\frac{1}{2}$	26 $\frac{5}{8}$	Madras ...	Dr. Christie, British Mu- seum.
26 $\frac{1}{2}$	15 $\frac{1}{2}$	16	...	India ...	Rowland Ward's Collec- tion.
26 $\frac{3}{8}$	14 $\frac{7}{8}$	13 $\frac{5}{8}$	24 $\frac{1}{4}$	Sahaydri Mts., South India.	Capt. W. Thompson, British Museum.
26	17 $\frac{1}{4}$	19 $\frac{3}{8}$	...	India ...	Lord Wolverton.
26	16 $\frac{7}{8}$	27	30 $\frac{3}{8}$	Bori Forest, Hosangobod, Cent. Provs.	Sir John H. Morris, K.C.S.I.
25 $\frac{3}{4}$	15 $\frac{3}{4}$	26 $\frac{1}{2}$	29 $\frac{5}{8}$	... ..	Hume Collection, British Museum.
25 $\frac{3}{4}$	16 $\frac{5}{8}$	20 $\frac{7}{8}$	26 $\frac{3}{4}$	Malay Penin- sula.	H. C. V. Hunter.
25 $\frac{1}{2}$	17 $\frac{1}{2}$	19	...	Straits Settle- ments.	T. S. Thompson.

GAUR BISON (*Bos gaurus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
25 $\frac{3}{8}$	13 $\frac{5}{8}$	19 $\frac{1}{4}$	26 $\frac{3}{4}$	West Siam ...	British Museum.
25 $\frac{3}{8}$	15 $\frac{1}{4}$	13 $\frac{5}{8}$	25 $\frac{1}{8}$	India ...	Major A. A. Kinloch, British Museum.
25 $\frac{1}{4}$	13 $\frac{1}{4}$	19 $\frac{1}{2}$	26 $\frac{5}{8}$	Rajhpootna	Col. J. Evans, British Museum.
25 $\frac{1}{4}$	15 $\frac{3}{8}$	19 $\frac{1}{2}$	26 $\frac{7}{8}$	Mysore ...	Bosworth Smith, British Museum.
25	15	14 $\frac{1}{2}$	...	Straits Settlements.	T. S. Thompson.
24 $\frac{3}{4}$	17	34 $\frac{1}{2}$	34 $\frac{3}{4}$	Annamalies, South India.	Sir V. Brooke's Coll. (Shot by Col. D. Hamilton.)
24 $\frac{1}{2}$	16	28 $\frac{1}{2}$	...	... ..	Hume Collection, British Museum.
24	18 (owner's measurement)	34	38 $\frac{1}{2}$ (outside)	India ...	J. D. Inverarity.
24	16	25 $\frac{1}{2}$	30 $\frac{1}{8}$	... ..	Hume Collection, British Museum.
23 $\frac{3}{4}$	15 $\frac{7}{8}$	20 $\frac{1}{8}$	25 $\frac{5}{8}$	Nepal ...	B. H. Hodgson, British Museum.
23 $\frac{1}{2}$	14 $\frac{5}{8}$	28	31 $\frac{3}{4}$	... ..	H. C. V. Hunter.
23 $\frac{1}{4}$	15 $\frac{1}{8}$	20	25 $\frac{3}{8}$	South India	Sir Victor Brooke's Collection.
23 $\frac{1}{4}$	12 $\frac{3}{4}$	13 $\frac{1}{4}$	...	... ..	A. O. Hume, Private Collection.
22 $\frac{1}{2}$	16	21	...	... ..	Surgeon-Major Briggs.
22 $\frac{1}{8}$	15	15 $\frac{7}{8}$	22 $\frac{1}{4}$	Malay Peninsula.	British Museum.
21 $\frac{7}{8}$	15 $\frac{1}{2}$	18 $\frac{5}{8}$	23 $\frac{1}{8}$	India ...	Capt. W. E. Robinson, British Museum.
♀ 21 $\frac{7}{8}$	11 $\frac{1}{2}$	7 $\frac{5}{8}$	18	West Ghauts	Capt. W. Thompson, British Museum.
21 $\frac{5}{8}$	14 $\frac{7}{8}$	20	25 $\frac{1}{4}$	Nepal ...	B. H. Hodgson, British Museum.
21 $\frac{1}{2}$	17	22 $\frac{1}{2}$	...	... ..	Rowland Ward's Collection.
21 $\frac{1}{8}$	16	26 $\frac{1}{4}$	29	India ...	Major Talbot.
21 $\frac{1}{8}$	11 $\frac{7}{8}$	15	20 $\frac{3}{8}$	Mysore ...	Bosworth Smith, British Museum.
20 $\frac{1}{2}$	15	12	...	India ...	Rowland Ward's Collection.
20 $\frac{3}{8}$	11 $\frac{5}{8}$	5 $\frac{5}{8}$	16 $\frac{1}{8}$	Do. ...	British Museum.
18 $\frac{1}{8}$	10 $\frac{3}{8}$	10 $\frac{3}{4}$	17 $\frac{5}{8}$	Do. ...	R. C. Beavan, British Museum.
17 $\frac{5}{8}$	10 $\frac{7}{8}$	13 $\frac{5}{8}$	17 $\frac{1}{8}$	West Central India.	Major A. A. Kinloch, British Museum.
17 $\frac{1}{4}$	11 $\frac{3}{4}$	7 $\frac{3}{4}$	15 $\frac{1}{2}$	... ..	B. H. Hodgson, British Museum.
...	19	19	...	... ..	Col. G. P. Sanderson, "Wild Beasts of India."



**GAYAL (*Bos frontalis*).***Habitat*—Assam Chittaging Districts.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15	11½	26¾	North India ...	British Museum.
12½	13¼	27¾	India ...	Do.

**DWARF BUFFALO (*Bos pumillus*).**

[Sir VICTOR BROOKE, Bart., P.Z.S. 1875, p. 455.]

FEMALE about three years of age, all the permanent incisors except the two external teeth being in place (Zoological Gardens, Antwerp, received from Senegal):—

Hair harsh, on the body and limbs of moderate length, longer on the withers and upper and under parts of the neck; general colour bright yellow; on the shoulders and anterior parts of the body there is a strong tinge of brown, caused by an intermixture of brown and yellow hairs; on the flanks and belly the yellow shades gradually into deep rufous; upper parts and sides of the head and neck pure yellow, lower surface of head and neck paler; entire upper and lower lip, fore limbs from above the carpi, and hind limbs from below the tarsi downwards black; ears about 10 in. in length and 6 in. in breadth, narrowed gradually towards their tips, which, from their flexibility and length, curl back upon the ear-conches; internally the upper rim of the ear-conch is covered by pure yellow hair of about 5 in. length, hair of similar length and colour forming two marked lines along their inner surface; hair on the lower rim of the ear-conch and on the tip black; tail bare, excepting the terminal tuft, which is black.

Height at the shoulder about 42 in.; horns slightly compressed at their bases, and directed upwards; the head is remarkably long in proportion to the body, which is compact and powerful, the limbs short.

MALE, ADULT.—Generally darker than the female (Du Chaillu); horns greatly compressed from above downwards and broad at their bases, which are transversed in unworn specimens by numerous sharply-marked irregular ridges; beyond these ridges the horns are suddenly contracted into round smooth points, which are directed upwards and sometimes boldly backwards.

The basal portion of the horn in most *adult* specimens rises slightly but decidedly from the horizontal upon leaving the skull; in other specimens, however, as for example in the type, the entire horn is directed upwards; length of horns round the curve about 21 in., their diameter at the base 7 in.

FEMALE, ADULT.—In the female the horns are much less compressed at the base than in the male; as in the male the direction of the points of the horns is very variable; length of horns round the curve 17 in., their diameter at the base  $4\frac{1}{4}$  in.

RANGE.—Western Equatorial, and the northern parts of Central Africa.

*Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
21 $\frac{1}{8}$	12 $\frac{3}{4}$	2 $\frac{1}{4}$	West Africa ...	British Museum.
18 $\frac{1}{4}$	10 $\frac{3}{4}$	5 $\frac{1}{2}$	Central Africa ...	Col. Denham and Col. Clapperton.
17	11 $\frac{3}{8}$	6 $\frac{3}{4}$	Do. ...	British Museum. Do.
14 $\frac{1}{4}$	12 $\frac{1}{4}$	10 $\frac{5}{8}$	... ..	Sir Victor Brooke's Collection.
13 $\frac{1}{2}$	13 $\frac{5}{8}$	13 $\frac{3}{4}$	... ..	Do.
10 $\frac{5}{8}$	9 $\frac{3}{8}$	10 $\frac{7}{8}$	Gambia ...	Earl of Derby, British Museum.



**BOS BRACHYCEROS.***Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
15 $\frac{3}{4}$	11	9 $\frac{1}{4}$	... ..	Sir Edmund G. Loder, Bart.
14 $\frac{7}{8}$	9 $\frac{5}{8}$	7 $\frac{7}{8}$	West Africa ...	British Museum.
13 $\frac{3}{8}$	8 $\frac{7}{8}$	7	Do. ...	Do.
11 $\frac{3}{4}$	8 $\frac{1}{2}$	9 $\frac{7}{8}$	... ..	Sir Edmund G. Loder, Bart.

**BOS DANTE.***Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
13 $\frac{7}{8}$	10 $\frac{1}{4}$	28 $\frac{1}{2}$	Gambia ... ..	Earl of Derby, British Museum.

**BOS MANUS.***Habitat*—Africa.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
14 $\frac{5}{8}$	8 $\frac{1}{8}$	$\frac{7}{8}$	Sette Cama, West Africa.	British Museum.
8 $\frac{1}{2}$	5 $\frac{5}{8}$	13 $\frac{3}{8}$	Do.	Do.
7 $\frac{3}{8}$	6 $\frac{1}{4}$	8 $\frac{1}{4}$	Do.	Do.

**ZEBU (*Bos indicus*).***Habitat*—India.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
17 $\frac{1}{8}$	10 $\frac{3}{4}$	25 $\frac{1}{4}$	India ... ..	British Museum.

YAK (*Bos grunniens*).*Habitat*—Tibet.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
38 $\frac{1}{2}$	17	19	31 $\frac{1}{2}$	... ..	Hume Collection, British Museum.
34 $\frac{7}{8}$	15	16	27 $\frac{3}{4}$	... ..	Do.
34	12	20 $\frac{1}{2}$	...	... ..	Hon. Walter Rothschild.
32 $\frac{3}{8}$	13 $\frac{3}{8}$	16 $\frac{1}{2}$	26 $\frac{3}{8}$	... ..	British Museum.
32	13 $\frac{7}{8}$	15 $\frac{1}{4}$	22 $\frac{1}{2}$	... ..	H. C. V. Hunter.
30 $\frac{3}{8}$	13 $\frac{1}{2}$	10 $\frac{1}{2}$	...	... ..	Sir Robert Harvey, Bart.
29 $\frac{3}{4}$	14	12	25 $\frac{1}{8}$	... ..	Hume Collection, British Museum.
29 $\frac{1}{2}$	12	...	...	... ..	Capt. G. Campbell.
28 $\frac{1}{4}$	14	17 $\frac{7}{8}$	26 $\frac{3}{8}$	India ... ..	Capt. E. Smyth, British Museum.
27 $\frac{7}{8}$	11 $\frac{3}{4}$	18 $\frac{3}{8}$	27 $\frac{3}{8}$ (wild)	Nepal ... ..	B. H. Hodgson, British Museum.
27 $\frac{1}{2}$	12 $\frac{7}{8}$	14 $\frac{3}{4}$	23 $\frac{3}{4}$	... ..	Hume Collection, British Museum.
26 $\frac{1}{2}$	10 $\frac{7}{8}$	19	22 $\frac{3}{4}$ (wild)	... ..	British Museum.
26	13 $\frac{1}{2}$	18 $\frac{3}{4}$	23 $\frac{1}{2}$	... ..	J. Carr-Saunders.

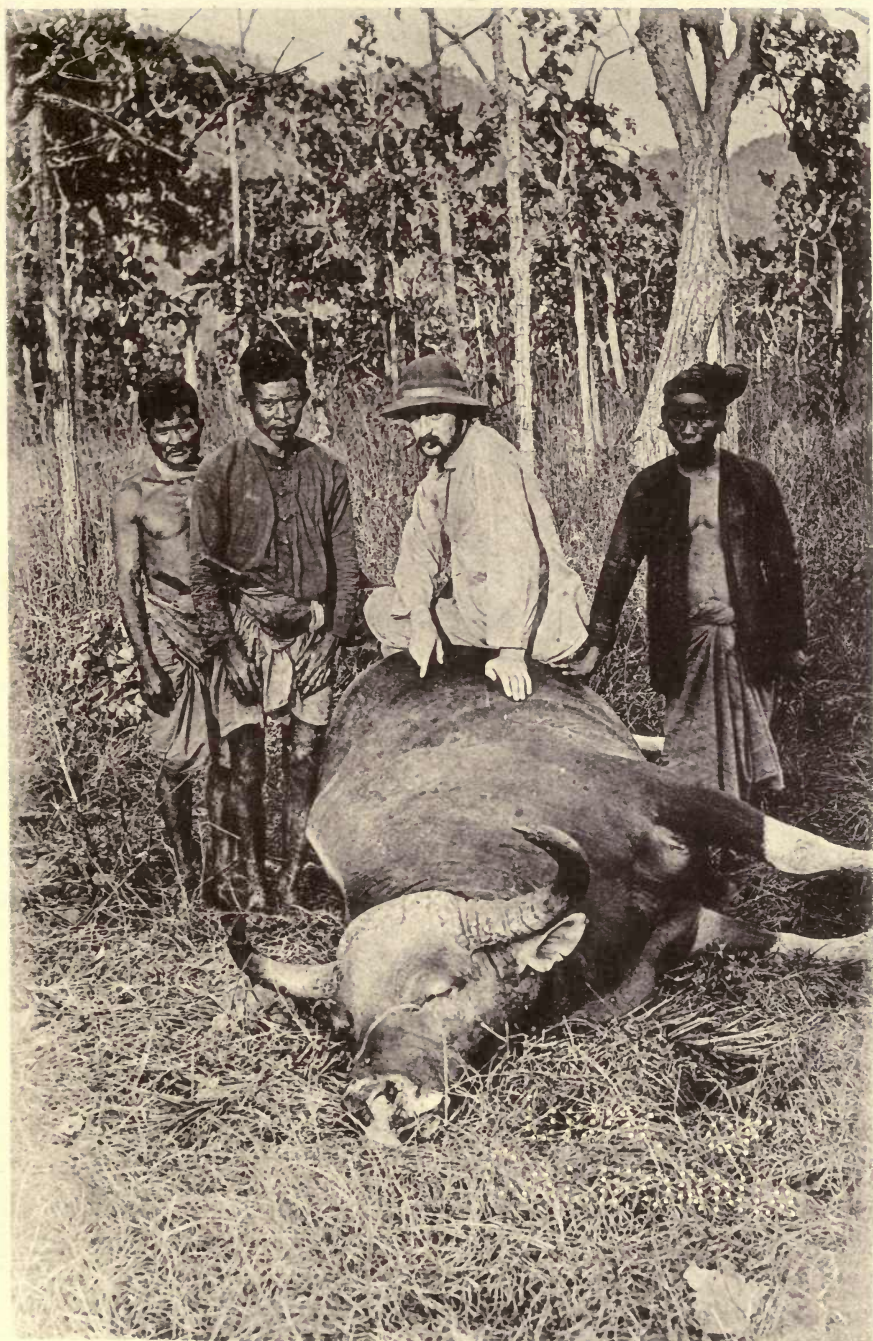


**YAK (*Bos grunniens*)—continued.**

Length.	Circumference.	Tip to Tip.	Width inside.	Habitat.	Owner.
22 $\frac{3}{4}$	10 $\frac{3}{8}$	12 $\frac{1}{2}$	19 $\frac{3}{8}$ (wild)	Nepal ... ..	B. H. Hodgson, British Museum.
19 $\frac{1}{8}$	9 $\frac{1}{4}$	14 $\frac{3}{4}$	16 $\frac{3}{8}$ (domestic)	Do. ... ..	Do.
16 $\frac{7}{8}$	6 $\frac{1}{2}$	3 $\frac{3}{8}$	12 $\frac{3}{8}$ (domestic)	Do. ... ..	Do.
16 $\frac{3}{4}$	9	23 $\frac{3}{4}$	23 $\frac{3}{4}$ (domestic)	Do. ... ..	Do.
13 $\frac{3}{8}$	5 $\frac{5}{8}$	16 $\frac{3}{8}$	... (domestic)	... ... ..	British Museum.
11 $\frac{3}{4}$	6 $\frac{5}{8}$	9 $\frac{1}{4}$	11 $\frac{1}{2}$ (domestic)	Nepal ... ..	B. H. Hodgson, British Museum.

**JAVA OX (*Bos banting*.)***Habitat*—Java.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
24 $\frac{3}{4}$	12 $\frac{1}{4}$	15 $\frac{3}{4}$	24 $\frac{1}{4}$	Java ... ..	British Museum.
21 $\frac{3}{8}$	12 $\frac{1}{4}$	13 $\frac{1}{8}$	19 $\frac{1}{4}$	Borneo ... ..	H. B. Low, British Museum.
20 $\frac{5}{8}$	12 $\frac{1}{4}$	18 $\frac{1}{8}$	22 $\frac{1}{8}$	Do. ... ..	Do.
19 $\frac{1}{4}$	11 $\frac{1}{4}$	10 $\frac{1}{8}$	15 $\frac{3}{4}$	Do. ... ..	Do.
18 $\frac{1}{4}$	10 $\frac{7}{8}$	14 $\frac{1}{2}$	18 $\frac{5}{8}$	Do. ... ..	Do.
18	12 $\frac{1}{4}$	13 $\frac{3}{8}$	16 $\frac{5}{8}$	Do. ... ..	Do.
17 $\frac{7}{8}$	11	2 $\frac{3}{4}$	11 $\frac{1}{4}$	Do. ... ..	Do.
17 $\frac{5}{8}$	10 $\frac{3}{8}$	7 $\frac{1}{8}$	14 $\frac{1}{4}$	British North Borneo.	W. Pryer, British Museum.
17 $\frac{1}{2}$	10 $\frac{1}{8}$	17 $\frac{1}{4}$	20 $\frac{3}{4}$	Siam ... ..	H. C. V. Hunter. (See Illustration.)
17 $\frac{1}{2}$	9 $\frac{7}{8}$	15 $\frac{3}{4}$	17 $\frac{3}{4}$	India ... ..	British Museum.
16 $\frac{1}{2}$	10 $\frac{3}{4}$	9 $\frac{1}{2}$	13 $\frac{3}{8}$	Sarawak ... ..	Do.
15 $\frac{7}{8}$	10 $\frac{1}{8}$	15 $\frac{1}{4}$	16 $\frac{1}{8}$	Borneo ... ..	H. B. Low, British Museum.
15 $\frac{7}{8}$	9 $\frac{3}{8}$	17 $\frac{1}{4}$	...	... ... ..	British Museum.
14 $\frac{7}{8}$	10 $\frac{3}{4}$	8 $\frac{7}{8}$	13 $\frac{1}{8}$	Borneo ... ..	H. B. Low, British Museum.



SHOT BY H. C. Y. HUNTER.

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JAVA OX.

BOS BANTING.





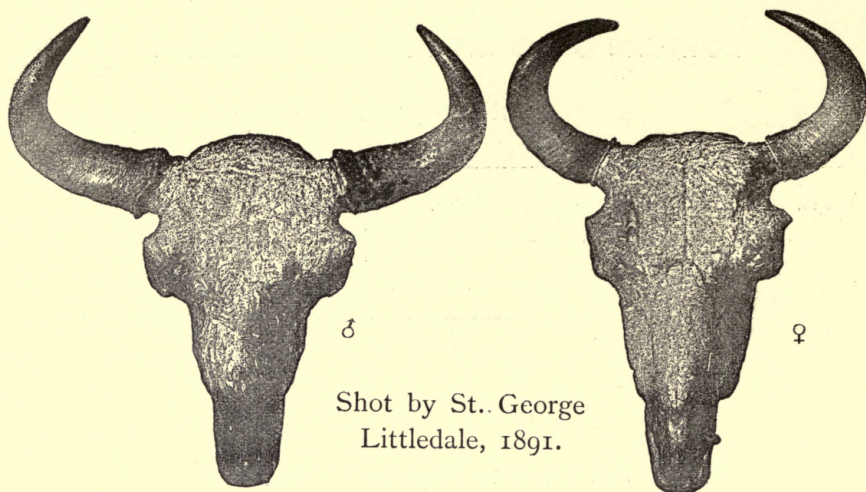
SONDAIC OX (BANTENG) (*Bos sondaicus*).*Habitat*—Java.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
5 $\frac{1}{4}$	5 $\frac{5}{8}$	6 $\frac{1}{4}$	Java ... ..	British Museum.

ANOA (*Bos depressicornis*).*Habitat*—Celebes.

Length.	Circumference.	Tip to Tip.	Habitat.	Owner.
12 $\frac{3}{8}$	6	6 $\frac{1}{2}$	Celebes ... ..	British Museum.
12 $\frac{1}{4}$	6 $\frac{1}{4}$	8 $\frac{3}{4}$	Do. ... ..	Do.
11 $\frac{7}{8}$	5 $\frac{7}{8}$	7	Do. ... ..	Do.
11 $\frac{1}{2}$	5 $\frac{3}{8}$	7 $\frac{1}{4}$	Do. ... ..	Gen. Hardwicke, British Museum.
10 $\frac{1}{2}$	6 $\frac{1}{8}$	4 $\frac{7}{8}$	Do. ... ..	British Museum.
10	5 $\frac{7}{8}$	5 $\frac{5}{8}$	Do. ... ..	Sir Victor Brooke's Collection.
8 $\frac{7}{8}$	4 $\frac{3}{8}$	4 $\frac{3}{4}$	Do. ... ..	Sir Edmund G. Loder, Bart.
7 $\frac{5}{8}$	4 $\frac{3}{8}$	4	Do. ... ..	British Museum.
5 $\frac{5}{8}$	4 $\frac{1}{4}$	5	Do. ... ..	Do.



**AUROCHS (*Bos urus*).***Habitat*—Lithuania.

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
18 $\frac{1}{4}$	12 $\frac{1}{8}$	13 $\frac{3}{4}$	19 $\frac{1}{4}$	Lithuania ...	British Museum. (Presented by the Emperor of Russia.)

**DOMESTIC OX (*Bos taurus*).**

Length.	Circumference.	Tip to Tip.	Widest inside.	Habitat.	Owner.
81 $\frac{1}{4}$ × 78 $\frac{1}{2}$	18 $\frac{1}{4}$	103 $\frac{1}{2}$	...	Lake 'Ngami ...	W. C. Oswell.
47	15 $\frac{3}{8}$	21 $\frac{1}{8}$	...	Abyssinia (Galla Ox)	H. Salt, British Museum.
44	12 $\frac{7}{8}$	70 $\frac{1}{2}$ (about)	...	... ..	British Museum.

DOMESTIC OX (*Bos taurus*)—*continued*.

Length.	Circumference.	Tip to Tip.	Width Inside.	Habitat.	Owner.
42 $\frac{1}{8}$	23 $\frac{5}{8}$	22 $\frac{1}{8}$	...	Central Africa ...	Col. Denham, British Museum.
41 $\frac{3}{4}$	14	52 $\frac{3}{4}$	...	Madagascar ...	Bethnal Green Museum.
40 $\frac{1}{4}$	12 $\frac{1}{4}$	60 $\frac{7}{8}$	...	Vienna (Polish Bull)	British Museum.
38 $\frac{5}{8}$	15 $\frac{7}{8}$	33	...	... ..	Do.
38 $\frac{1}{2}$	10 $\frac{1}{2}$	54 $\frac{3}{4}$	...	Italy ... ..	Bethnal Green Museum.
35 $\frac{3}{4}$	12 $\frac{3}{4}$	59 $\frac{1}{2}$	...	Cape of Good Hope	Do.
30 $\frac{1}{2}$	12 $\frac{3}{8}$	35	...	Spain ... ..	Do.
29 $\frac{3}{8}$	11 $\frac{1}{8}$	28 $\frac{7}{8}$	...	Gambia ... ..	Earl of Derby, British Museum.
18 $\frac{1}{2}$	10 $\frac{3}{8}$	20	21 $\frac{1}{8}$	Chillingham Park	Earl of Tankerville, British Museum.
♀ 18 $\frac{1}{4}$	7	10 $\frac{1}{8}$	15 $\frac{3}{8}$	Do.	Do.
17 $\frac{1}{2}$	10 $\frac{3}{8}$	30 $\frac{1}{2}$	...	Buenos Ayres (Niata Cattle).	G. Claraz, British Museum.
17 $\frac{1}{4}$	10 $\frac{1}{4}$	25 $\frac{1}{8}$	...	Gambia ... ..	Early of Derby, British Museum.
15 $\frac{1}{4}$	9 $\frac{5}{8}$	17 $\frac{3}{8}$	18 $\frac{1}{8}$	Northumberland	Duke of Hamilton, British Museum.
12 $\frac{1}{8}$	8	16 $\frac{1}{8}$	...	Angola, West Africa	Sir Victor Brooke's Collection.
12 $\frac{1}{8}$	6 $\frac{1}{8}$	16 $\frac{3}{4}$	16 $\frac{7}{8}$	England ... ..	British Museum.
11 $\frac{1}{2}$	7 $\frac{1}{2}$	(single horn) 18 $\frac{1}{4}$	...	Nepal ... ..	B. H. Hodgson, British Museum.
8 $\frac{1}{8}$	8	18 $\frac{1}{4}$	...	Do. ... ..	Do.

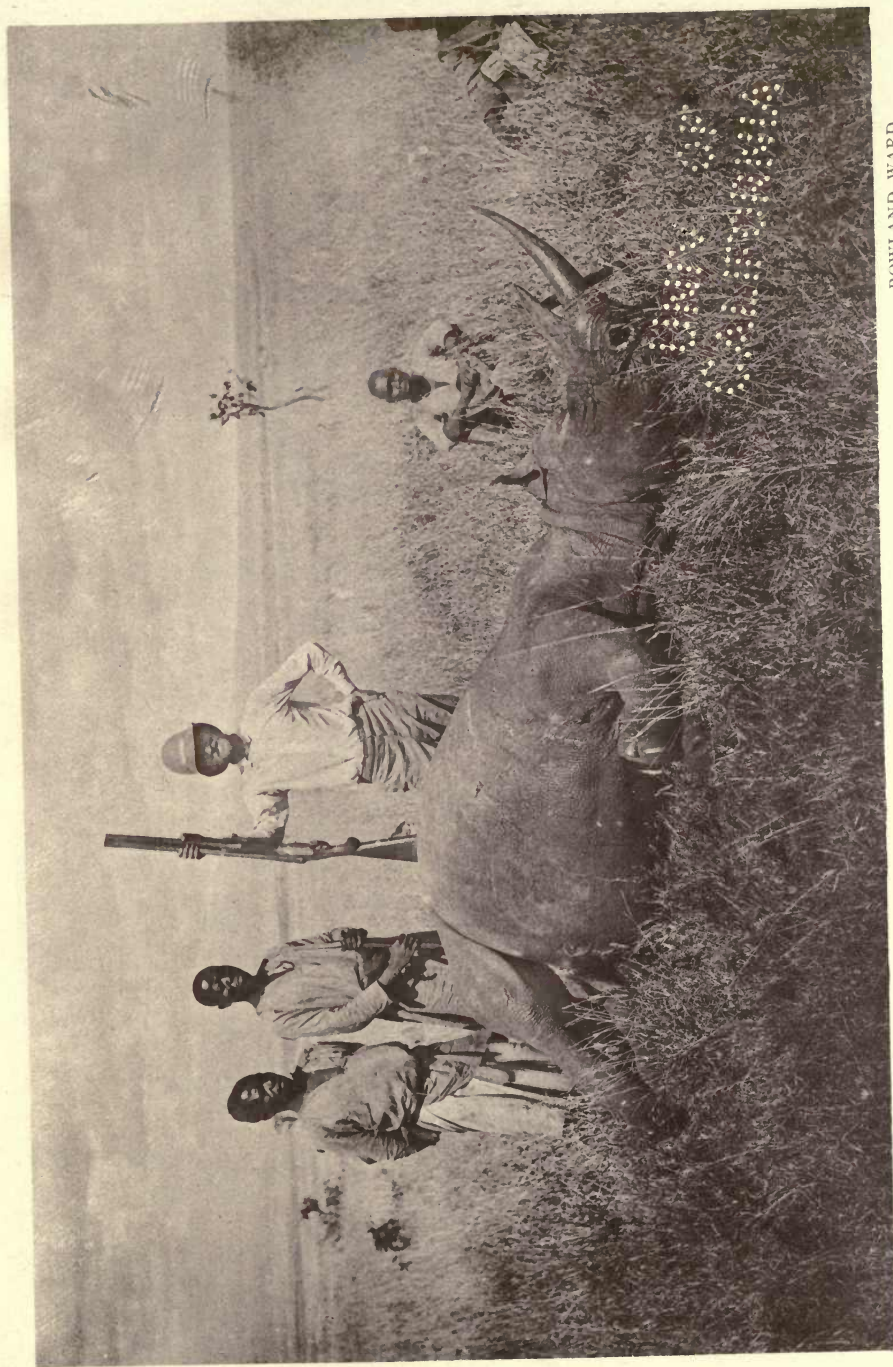




**INDIAN RHINOCEROS** (*Rhinoceros unicornis*).

*Habitat*—India.

Length.	Circum- ference.	Tip to Tip.	Habitat.	Owner.
24	...	...	... ..	T. C. Jerdon, "Mammals of India."
19½	22¾	...	India ...	British Museum.
5½	14½	...	Kuch Behar ...	Capt. Henry Streatfield.



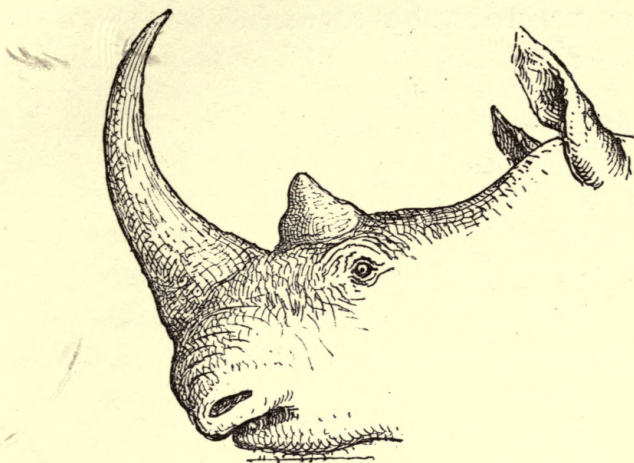
SHOT BY SIR ROBERT HARVEY, BART.

ROWLAND WARD  
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AFRICAN RHINOCEROS.





AFRICAN RHINOCEROS (*Rhinoceros bicornis*).*Bechunana Name*—"Borele."*Habitat*—Africa.

Length.		Circumference.		Habitat.	Owner.
Front Horn.	Rear Horn.	Front Horn.	Rear Horn.		
*56½	...	23½ (about)	...	... ..	British Museum.
54	...	...	...	South Africa ...	F. C. Selous (has seen).
*44	...	20	...	... ..	British Museum.
44	...	...	...	East Africa ...	F. Holmwood.
43	...	...	...	... ..	F. C. Selous, "A Hunter's Wanderings."
†42¾	...	25⅝	...	Limpopo, South Africa.	W. C. Oswell.
41	...	...	...	East Africa ...	F. Holmwood.
*40	...	15¾	...	... ..	British Museum.
40	...	...	...	East Africa ...	F. Holmwood.
38¾	...	21	...	... ..	Hon. Walter Rothschild.
♀ *38⅝	...	24½	...	... ..	W. C. Oswell.

\* *Rhinoceros simus* (White or Burchell's Rhinoceros).† *Rhinoceros oswellii*.



AFRICAN RHINOCEROS (*Rhinoceros bicornis*)—*continued*.

Length.		Circumference.		Habitat.	Owner.
Front Horn.	Rear Horn.	Front Horn.	Rear Horn.		
38½	...	19	...	Masai Land ...	Sir John Kirk, M.D., K.C.B.
*37¾	17¾	27½	...	South Africa ...	F. C. Selous.
*37¼	...	24	...	... ..	British Museum.
35	...	15½	...	Masai Land ...	Sir John Kirk, M.D., K.C.B.
*33½	...	21	...	... ..	British Museum (Sir Hans Sloane's Museum).
*33¾	...	22	...	... ..	British Museum.
*33	13½	23¼	...	... ..	F. C. Selous.
*32¾	...	27½	...	... ..	The late J. S. Jameson.
♂ *32¾	...	27	...	... ..	W. C. Oswell.
†31½	...	...	...	... ..	Dr. J. E. Gray, P.Z.S. 1854, p. 250.
31	...	18	...	East Africa ...	R. P. Carrol.
31	19½	16	16½	Do. ...	H. C. V. Hunter.
†31	...	...	...	Central South Africa.	P.Z.S. 1853, p. 46.
*30¾	...	19¾	...	... ..	British Museum.
30½	...	21¼	...	Zambezi Valley ...	Sir John Kirk, M.D., K.C.B.
29	...	19	...	East Africa ...	H.H. Prince Boris Czertwertynski.
*28¾	9	22½	19¼	Lake 'Ngami ...	W. C. Oswell and Col. T. Steele, British Museum.
28¾	15¼	17¾	17¾	East Africa ...	H. C. V. Hunter.
28¼	8¾	18½	...	... ..	F. C. Selous.
28	...	26¼	...	... ..	W. Fitzherbert.
27¾	...	12½	...	... ..	J. Carr-Saunders.
27¾	...	14	...	... ..	Do.
27	...	20½	...	East Africa ...	E. Gedge.
27	16½	17¾	17½	Do. ...	Sir Robert Harvey, Bart.
27	12	...	...	Do. ...	Sir John Willoughby, Bart., "East Africa and its Big Game."
26	...	23	...	Do. ...	Do.

\* *Rhinoceros simus* (White or Burchell's *Rhinoceros*). † *Rhinoceros crossii*. ‡ *Rhinoceros oswellii*.

AFRICAN RHINOCEROS (*Rhinoceros bicornis*)—continued.

Length.		Circumference.		Habitat.	Owner.
Front Horn.	Rear Horn.	Front Horn.	Rear Horn.		
*25 $\frac{5}{8}$	...	18 $\frac{3}{8}$	...	East Africa ...	British Museum.
25 $\frac{1}{2}$	11 $\frac{3}{8}$	19 $\frac{1}{2}$	...	Do. ...	Sir Robert Harvey, Bart.
25 $\frac{3}{8}$	9 $\frac{1}{8}$	17 $\frac{3}{8}$	...	Do. ...	F. J. Jackson.
23 $\frac{7}{8}$	13 $\frac{1}{2}$	16 $\frac{5}{8}$	17 $\frac{3}{4}$	Do. ...	Sir Robert Harvey, Bart.
23	...	22 $\frac{3}{4}$	...	South Africa ...	W. C. Oswald.
23	...	...	...	... ..	Sir Samuel Baker, F.R.S., "Wild Beasts and their Ways."
22 $\frac{7}{8}$	11 $\frac{1}{2}$	16 $\frac{3}{8}$	...	East Africa ...	F. J. Jackson.
22 $\frac{3}{4}$	...	19 $\frac{1}{4}$	...	Do. ...	W. Astor Chanler.
22 $\frac{3}{4}$	8 $\frac{5}{8}$	17	...	Zambezi Valley ...	Sir John Kirk, M.D., K.C.B.
22 $\frac{1}{4}$	11 $\frac{1}{2}$	17	...	East Africa ...	Sir Robert Harvey, Bart.
22	17 $\frac{7}{8}$	16 $\frac{3}{4}$	15 $\frac{1}{4}$	Do. ...	Sir John Kirk, M.D., K.C.B.
21 $\frac{3}{4}$	9 $\frac{3}{8}$	19 $\frac{1}{8}$	...	Do. ...	Sir Robert Harvey, Bart.
21 $\frac{1}{2}$	18 $\frac{1}{4}$	22 $\frac{1}{8}$	20 $\frac{1}{2}$	South Africa ...	Sir A. Smith, British Museum.
21 $\frac{3}{8}$	17	14	16	Abyssinia ...	British Museum.
20 $\frac{1}{8}$	8 $\frac{3}{8}$	16 $\frac{1}{4}$	...	East Africa ...	Sir Robert Harvey, Bart.
19 $\frac{7}{8}$	7 $\frac{3}{4}$	18 $\frac{3}{4}$	...	Do. ...	Do.
17 $\frac{1}{2}$	7 $\frac{3}{4}$	19 $\frac{1}{4}$	19 $\frac{7}{8}$	Abyssinia ...	British Museum.
16 $\frac{3}{4}$	...	15 $\frac{7}{8}$	...	Soudan ...	Col. Ralph Vivian.
16 $\frac{3}{8}$	12 $\frac{5}{8}$	13 $\frac{3}{4}$	14 $\frac{3}{4}$	Abyssinia ...	W. Jessel, British Museum.
16	...	17 $\frac{1}{2}$	...	Soudan ...	Col. Ralph Vivian.
15 $\frac{7}{8}$	10	19 $\frac{5}{8}$	19 $\frac{3}{4}$	Do. ...	Do.
15 $\frac{3}{4}$	...	20 $\frac{1}{4}$	...	South Africa ...	W. C. Oswald.
14 $\frac{5}{8}$	14 $\frac{3}{4}$	17	...	East Africa ...	Sir Robert Harvey, Bart.
13 $\frac{5}{8}$	9	15 $\frac{3}{8}$	16 $\frac{1}{2}$	Abyssinia ...	British Museum.
11 $\frac{1}{2}$	4 $\frac{1}{2}$	13 $\frac{7}{8}$	12 $\frac{1}{2}$	South Africa ...	Earl of Derby, British Museum.
10	6 × 3	(3 horns)	...	... ..	Sir John Willoughby, Bart., "East Africa and its Big Game."

\* *Rhinoceros simus* (White or Burchell's Rhinoceros).

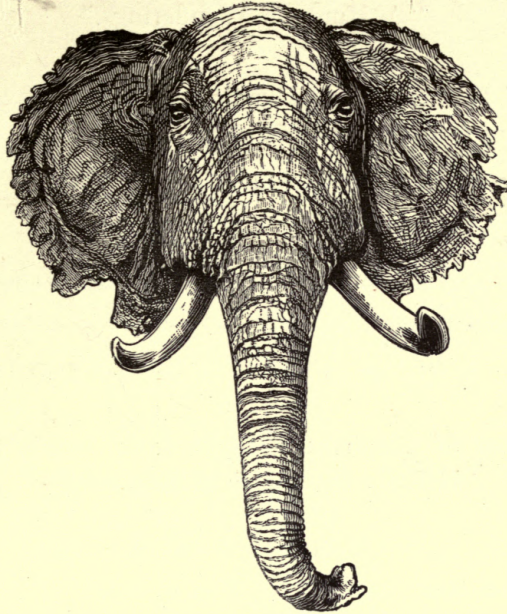


**SUMATRAN RHINOCEROS (*Rhinoceros sumatrensis*).**

Length.	Circumference.	Tip to Tip.	Habitat.			Owner.
32 $\frac{1}{8}$	17 $\frac{3}{8}$	...	...	...	...	British Museum.
27 $\frac{1}{8}$	17 $\frac{7}{8}$	...	...	...	...	Do.
9 $\frac{3}{8}$	14 $\frac{3}{4}$	...	...	...	...	Do.

**JAVAN RHINOCEROS (*Rhinoceros sondaicus*).**

Length.	Circumference.	Tip to Tip.	Habitat.			Owner.
10 $\frac{5}{8}$	19 $\frac{5}{8}$	...	Java	...	...	British Museum.



## ELEPHANT.

LARGEST elephant ever killed by Col. G. P. Sanderson, vertical height at shoulder 9 ft. 7 in.; length from tip of trunk to tip of tail 26 ft. 2½ in.; tusks protruding from gum 2 ft. 4½ in.; tusks when taken out 5 ft.; tusk circumference at gum 1 ft. 4½ in.; tusk weight of each 37½ lbs.

Indian Elephants at Zoological Society's Gardens (P.Z.S. 1879 and 1881).

	Height at Shoulder.		Circumference of Front Feet above the Toes.				Weight.			
	1879.	1881.	1879.		1881.		1879.		1881.	
	ft.	in.	ft.	in.	ft.	in.	tons	cwt.	qrs.	lbs.
Jung Pacha ...	7	0	3	8	4	0	2	3	0	23
Suffa Culli ...	6	10	3	8	3	9	2	2	3	11
Rustom ...	6	0	2	11	3	2	1	3	3	26
Omar ...	6	2	3	2	3	6	1	7	1	5



Height of African Elephant, foot to shoulder, 10 ft.; F. C. Selous,  
 "A Hunter's Wanderings."

Dimensions of Male Elephant killed on Lake Nyassa, 9th September,  
 1861 (Dr. Kirk, P.Z.S. 1864, p. 655).

	ft.	in.		ft.	in.
Height at withers ... ..	10	3	Horizontal diameter of ear ...	3	0
Circumference of fore foot ... ..	5	1	Perpendicular do. ...	5	9
From tip of trunk to crown of head	9	0	Semicircumference of belly ...	9	0
Crown of head to insertion of tail ...	12	0	Do. of chest ...	7	10
Length of tail ... ..	4	2	Each tusk weighed about 30 lbs.		

Dimensions of Elephant brought from South Africa by  
 H.R.H. the Duke of Edinburgh.

	ft.	in.		ft.	in.
Height at withers ... ..	10	0	Circumference of head ... ..	10	0
From tip of trunk to tip of tail ...	23	5	From ear to ear ... ..	9	0
Girth ... ..	16	6	Length of ear ... ..	4	6
From top of head to end of trunk ...	11	3	The skull and tusks weighed more than 3 cwt. ; the weight of the whole skin when taken from pickle 20 cwt. 6 lbs.		
The weight of the entire elephant in the flesh was 4 tons 8 cwt. 4 lbs.					

Weight of a Baby Elephant, when born, about 213 lbs.

Period of gestation, 629 days.

LIBRARY OF  
CALIFORNIA





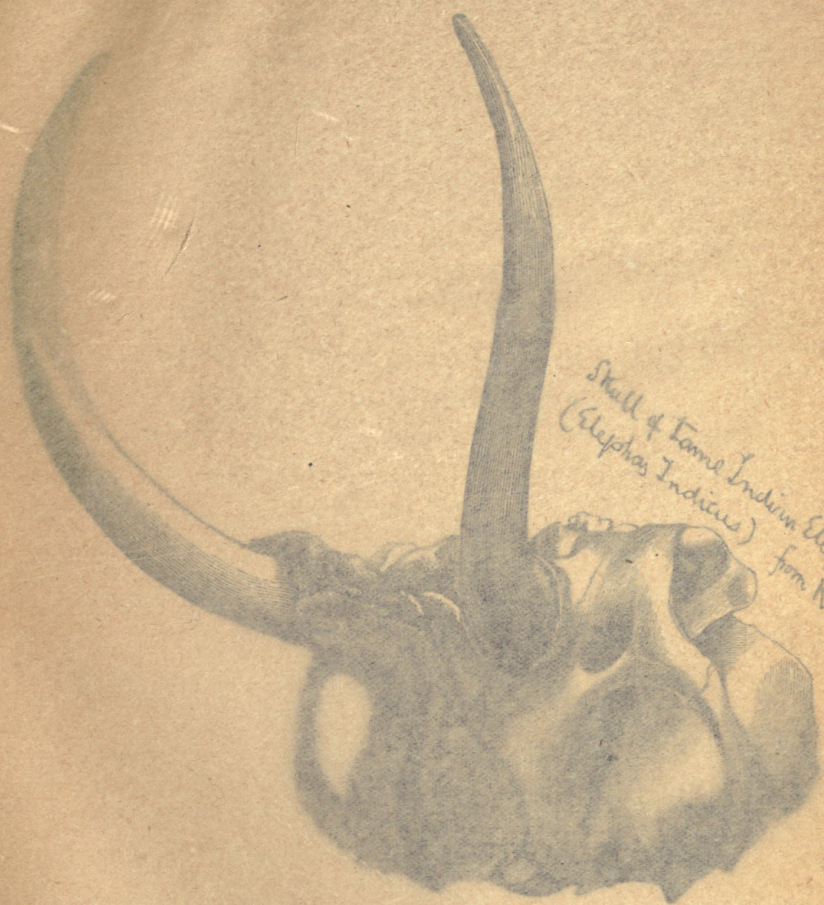
SHOT BY T. W. H. GREENFIELD.

ROWLAND WARD  
& Co., LIMITED.

AFRICAN ELEPHANT.

ELEPHAS AFRICANUS





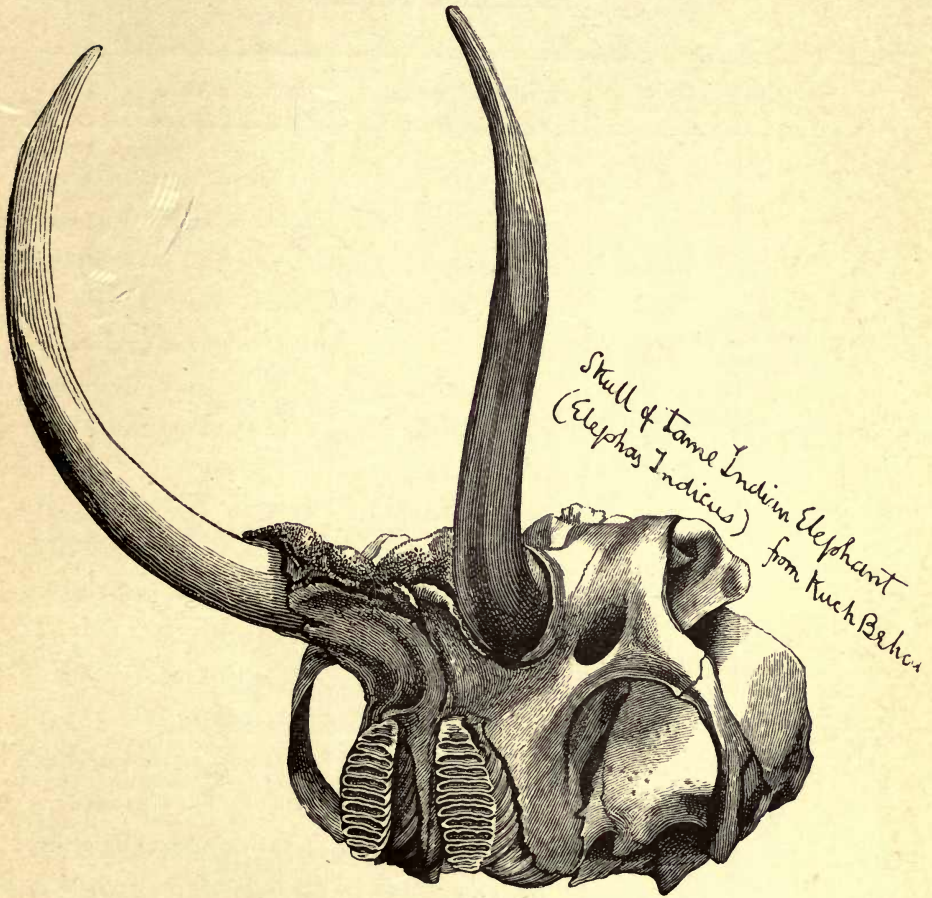
*Skull of Large Indian Elephant  
(Elephas Indicus) from Kuch Behar*

This formed part of the Trophy of His Highness the Maharajah of Kuch Behar exhibited at the Indian and Colonial Exhibition, 1884.





JOHN W. WARD



THIS formed part of the Trophy of His Highness the Maharajah of Kuch Behar exhibited at the Indian and Colonial Exhibition, 1886.



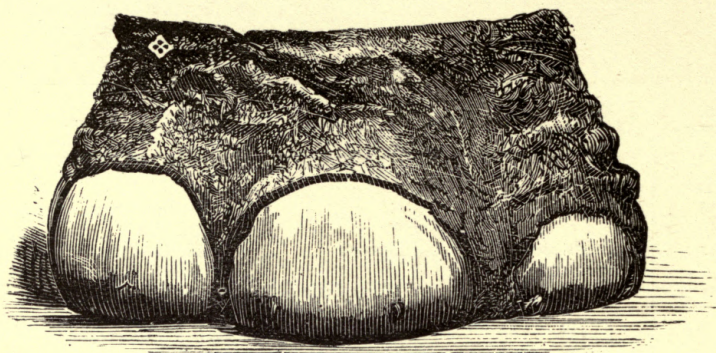
## ELEPHANT TUSKS.

Length (outside curve).		Greatest Circumference.	Weight.	Habitat.	Owner.
ft.	in.	in.	lb.		
9	5	22½	184	Africa ...	Sir Edmund G. Loder, Bart.
...	...	...	172	... ..	Sir Samuel Baker, "Wild Beasts and their Ways."
9	4	20½	160	Africa ...	Sir John Kirk, M.D., K.C.B.
9	4	18	110	South Africa ...	Rowland Ward's Collection.
(tip broken)	8 11	17¼	90	... ..	H.M. the Queen, Bethnal Green Museum.
...	...	...	74	South Africa ...	F. C. Selous, "A Hunter's Wanderings."
8	3	18¾	81½	East Africa ...	T. W. H. Greenfield.
8	2	18¾	80	Do. ...	Do.
8	0	16⅞	90	South India (Has- sanoor Forest).	Sir Victor Brooke, Bart., and Col. Douglas Hamilton, 1863.
7	9	17⅞	86	... ..	H.M. the Queen, Bethnal Green Museum.
7	9	19	103	Africa ...	Rowland Ward's Collection.
7	6½	21¼	...	South Africa ...	W. C. Oswell.
7	1½	20½	...	Africa ...	Rowland Ward's Collection.
7	0⅛	17⅞	...	East Africa ...	F. J. Jackson.
7	0	18 (about)	...	South Africa ...	Cetywayo's peace offering in 1879 to Lord Chelmsford.
6	11	16	60	Siberia ...	Bethnal Green Museum.
6	10	17⅞	65½ (Age 88 to 100)	India ...	J. D. Goldingham, Bethnal Green Museum.
6	9	17¼	...	East Africa ...	F. J. Jackson.
6	8	17⅞	76	... ..	H.M. the Queen, Bethnal Green Museum.
6	7	16⅞	...	South Africa ...	F. C. Selous.
6	6	16⅞	63½	India ...	J. D. Goldingham, Bethnal Green Museum.
6	4	...	72	... ..	H.M. the Queen, Bethnal Green Museum.
6	1	7½	...	Masailand ...	Sir J. Kirk, M.D., K.C.B.
(spiral tusk)	6 0	...	50	Madras ...	J. Fortune.

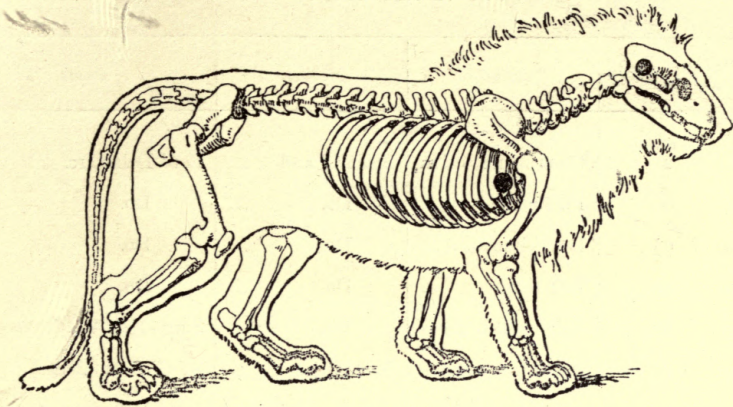
ELEPHANT TUSKS—*continued.*

Length (outside curve).		Greatest Circumference.	Weight.	Habitat.		Owner.
ft.	in.	in.	lb.			
5	11	(tusk straight)	52	...	...	H.M. the Queen, Bethnal Green Museum.
5	10	(owner's measurement)	...	Borneo	...	C. M. D. Stewart.
5	10	16 $\frac{1}{8}$	...	White Nile	...	Sir S. Baker, Bart., British Museum.
5	6 $\frac{1}{2}$	13 $\frac{1}{4}$	...	India	...	H.R.H. the Duke of Edinburgh.
5	5 $\frac{7}{8}$	13 $\frac{1}{4}$	...	Do.	...	Do.
5	3	16	...	...	...	Sir Victor Brooke's Collection.
5	0	12 $\frac{1}{2}$	35	Mammoth	...	T. Dupeen, Bethnal Gn. Museum, dredged off coast of Yarmouth.
5	0	...	...	...	...	Col. G. P. Saunderson, "Wild Beasts of India."
4	11	16 $\frac{1}{2}$	...	India	...	Do.
4	8 $\frac{1}{2}$	(at gum mark) 12 $\frac{1}{4}$	...	Borneo	...	C. M. D. Stewart.
4	8	16 $\frac{3}{4}$	...	...	...	Sir Victor Brooke's Collection.
4	7	14 $\frac{1}{8}$	27 $\frac{3}{4}$ (age 40)	India	...	J. D. Goldingham, Bethnal Green Museum.
4	6	13 $\frac{3}{4}$	26 $\frac{3}{4}$ (age 40)	Do.	...	Do.
4	5	10	...	East Africa	...	W. Astor Chanler.
4	3 $\frac{1}{2}$	15 $\frac{1}{4}$ (protruding from skull)	...	...	...	Sir Edmund G. Loder, Bart.
3	11	15 $\frac{1}{8}$ (protruding from skull)	...	India	...	British Museum.
3	6 $\frac{7}{8}$	12 $\frac{1}{2}$ (protruding from skull)	...	Do.	...	Do.
3	5 $\frac{7}{8}$	15 $\frac{1}{8}$ (protruding out of skull, mounted head)	...	South Africa	...	The late J. S. Jameson.
3	3	18	49	South India (Hassanoor Forest).	...	Sir Victor Brooke, Bart., and Col. Douglas Hamilton, 1863.
2	10 $\frac{1}{2}$	11 $\frac{5}{8}$ (protruding from skull)	...	South Africa	...	British Museum.
2	5 $\frac{5}{8}$	15 (protruding from skull)	...	India	...	Do.
1	6	4 $\frac{3}{8}$ (protruding from skull)	...	Sumatra	...	Do.
...	...	...	35	East Africa	...	Joseph Thomson, "Through Masai Land."



**ELEPHANT FEET.**

Circumference at base.	Width at bottom back to front.	Habitat.	Owner.
62½	20	India ...	J. Fortune.
54	18½	Somali Land ...	Capt. J. S. Ashby.
53⅞	18½	South Africa ...	The late J. S. Jameson.
53½	18	Ceylon ...	H. Storey.
53¼	18¼	South Africa ...	The late J. S. Jameson.
52½	19	Somali Land ...	Capt. J. S. Ashby.
52½	17	Ceylon ...	H. E. Lindsey.
52½	17	Do. ...	Rowland Ward's Collection.
51½	...	Do. ...	Capt. C. Hill.
50	17	Do. ...	H. E. Lindsey.
49¼	16½	East Africa ...	W. Astor Chanler.
49	...	Ceylon ...	Capt. C. Hill.
48⅞	16⅞	East Africa ...	H. C. V. Hunter.
48⅞	16	Do. ...	Do.
45½	15½	Mysore ...	W. G. Deeds.
45	17	India ...	R. Stirling.
44¾	14¾	Soudan ...	Col. Ralph Vivian.
44	14	Ceylon ...	J. B. Gardyne.
43½	13½	Do. ...	Do.

**LION** (*Felis leo*).

*Habitat*—India (nearly extinct) and Africa.

F. C. Selous, in "A Hunter's Wanderings," says weight 500 lb.

"The Field," July 13th, 1890, weight 563 lb.

*Weight*, one killed by J. S. Jameson in Mashuna Land, South Africa, November 1887, 385 lb.

Length from tip of nose to end of tail, dressed.		Description.	Habitat.	Owner.
ft. 11	in. 2	Good mane ...	British East Africa	E. Gedge.
10	10	... ..	South Africa ...	F. C. Selous.
(owner's measurement)		Fine black mane	Somali Land ...	Col. A. Paget.
10	6	Do. ...	Do. ...	Do.
10	5	Do. ...	Do. ...	Ernest Horn.
10	4	Fair mane ...	Do. ...	Lord Delamere.
10	3	Good mane ...	Do. ...	Surg.-Maj. W. O. Wolseley.
10	2 $\frac{3}{4}$	Dark mane ...	Do. ...	C. H. Villiers.
10	2 $\frac{1}{2}$	Do. ...	Do. ...	E. Lort-Phillips.
10	3	... ..	... ..	F. C. Selous, "A Hunter's Wanderings."
(pegged out)		Light mane ...	Somali Land ...	Lord Delamere.
10	2 $\frac{1}{2}$			



**LION (*Felis leo*)**—*continued.*

Length from tip of nose to end of tail, dressed.		Description.	Habitat.	Owner.
ft.	in.			
10	2	Good mane ...	Somali Land ...	Lord Delamere.
10	0	Fine mane ...	Do. ...	Do.
9	9½	Darkish mane ...	Do. ...	Do.
9	8½	Fair mane ...	Do. ...	Do.
9	8½	Fair lightish mane	Do. ...	Surg.-Maj. W. O. Wolseley.
9	8	Fine black mane	East Africa ...	A. C. Fountaine.
9	7	Slight light mane	Somali Land ...	Lord Delamere.
9	6½	Fine mane ...	Do. ...	Surg.-Maj. W. O. Wolseley.
9	5½	Fine black mane	Do. ...	Rowland Ward's Collection.
9	3	Fine mane ...	Do. ...	J. D. Inverarity.
♀ 9	2	... ..	Do. ...	Lord Delamere.
9 (owner's measurement)	1	... ..	Do. ...	J. D. Inverarity.
♀ 8	11	... ..	Do. ...	Lord Delamere.
8	11	Slight light mane	Do. ...	Surg.-Maj. W. O. Wolseley.
8	10	Fine black mane	Do. ...	Col. A. Paget.
8	10	Slight light mane	Do. ...	Lord Delamere.
8 (owner's measurement)	8	... ..	Do. ...	J. D. Inverarity.
♀ 8 (owner's measurement)	3	... ..	Do. ...	Do.

LION SKULLS (*Felis leo*).

Length between two lines.	Width between two lines.	Weight, cleaned.	Habitat.	Owner.
16 (end broken)	10 $\frac{1}{2}$	5 lb.	East Africa ...	E. Gedge.
15	10	...	Somali Land ...	Col. A. Paget.
13 $\frac{3}{4}$	9 $\frac{3}{8}$	4 lb. 12 oz.	Do. ...	Do.



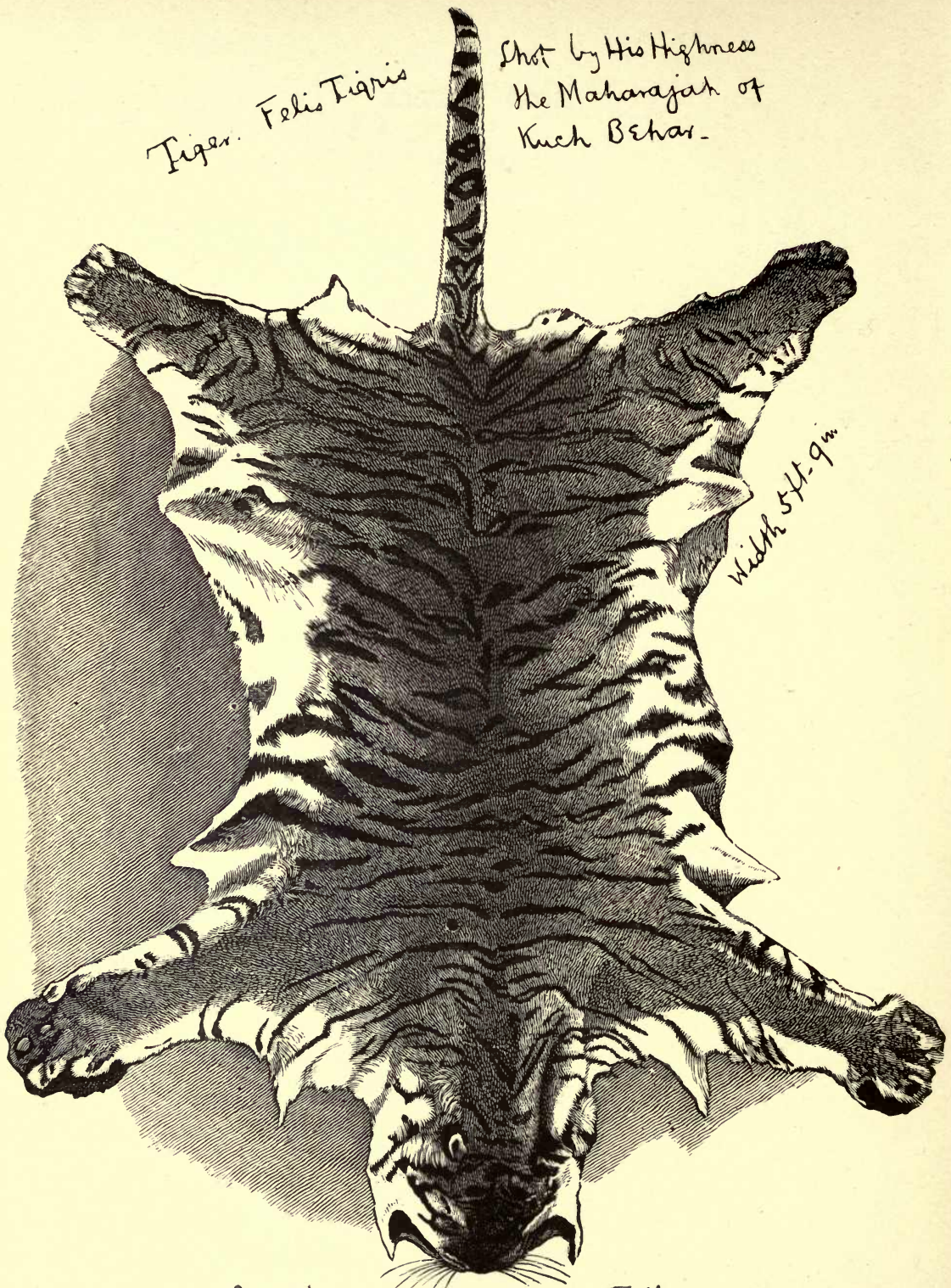
Tiger. *Felis Tigris*

Shot by His Highness  
the Maharajah of  
Kuch Behar.

Width 5 ft. 9 in.

Length from nose to tip of Tail  
before skinning  
dried skin

10 ft 1½ in  
11 - 7 -





**TIGER** (*Felis tigris*).*Habitat*—Eastern Asia.

Length before skinning.	Length after dressing.	Width.	Weight.	Habitat.	Owner.
ft. in. ...	ft. in. 13 6	ft. in. ...	lb. ...	Chinese Mongolia.	A. Bignold.
10 2½	...	(owner's measurement)	540	... ..	Maharajah of Kuch Behar, 1890.
10 2½	...	Do.	493	... ..	Do. 1891.
10 1½	11 7	5 10	...	... ..	Do.
...	11 7	...	...	... ..	H. R. H. Duc d'Orleans.
10 0	...	(owner's measurement)	445	... ..	Maharajah of Kuch Behar.
10 0	...	Do.	...	... ..	Maharajah of Tikumgurh.
9 8	...	Do.	467	... ..	Maharajah of Kuch Behar.
9 7	11 4	Do.	437	... ..	Sir Samuel Baker, F. R. S.
9 6	...	Do.	455	... ..	Maharajah of Kuch Behar.
9 6	...	Do.	450	... ..	Do.
9 6	...	Do.	400	... ..	Sir Samuel Baker, F. R. S.
9 5	...	Do.	...	... ..	J. D. Inverarity.
9 3	...	Do.	...	Rewah ...	H. C. V. Hunter.
...	11 1	Do.	...	... ..	Rowland Ward's Collection.
9 1	...	Do.	...	India ...	J. D. Inverarity.
9 0	...	Do.	...	... ..	Do.
...	10 10½	...	...	... ..	Campbell Wynne.
♀ 8 4	...	(owner's measurement)	...	... ..	J. D. Inverarity.
♀ 8 1	...	Do.	...	... ..	Do.





*Tiger Felis Tigris*

Shot by His Highness the Maharajah of Kuch Behar.

### TIGER SKULLS.

Length between two lines, from back to front.	Breadth between two lines.	Weight cleaned.	Habitat.	Owner.
14½	10	lb. 4 oz. 13	India ... ..	Rowland Ward's Collection.
13¾	9¾	3 15	Do. ... ..	Lieut.-Col. Boileau.
13½	10¼	4 10	Do. ... ..	Rowland Ward's Collection.
13½	9¾	4 3	Do. ... ..	Capt. A. P. Longfield.

## BEAR SKULLS (Ursus).

Length back to front between two lines.	Widest part between two lines.	Weight (cleaned).	Species.	Habitat.	Owner.
18 in.	11 in.	lb. oz. 10 0	Ursus Ber- ringianus.	Siberia ...	Hon. Walter Rothschild.
16 ,,	9 $\frac{5}{8}$ ,,	6 3	Polar ...	... ..	Rowland Ward's Collection.

## BEAR SKINS (Ursus).

Length from nose to tip of tail.		Weight.	Species.	Habitat.	Owner.
ft.	in.	lb.			
8	7	1600	Polar ...	... ..	Capt. Lyon, "Museum of Animated Nature."
8	0	1600	Do.	Arctic Seas	P. Lamont.
...		1400	Grizzly	... ..	Sir Thomas Hesketh, Bart.
7	0	...	Black ...	North America	T. W. H. Clarke.
6	10	423	...	India (owner's measurements)	Maharajah of Kuch Behar.
6 nearly		280	...	Do.	Col. G. P. Sanderson, "Wild Beasts of India."



# ERRATA.

Page 257	for	"malches"	read	"machlis."
" 257	"	"gaauus"	"	"gaurus."
" 258	"	"doriee"	"	"dorice."
" 260	"	"canma"	"	"canna."
" 261	"	"rupocapra"	"	"rupicapra."
" 261	"	"kurdu"	"	"kudu."

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